The Evolution of Today's Vinyl Siding | Save Energy, Save Money

Extreme How-To®

The Enthusiast's Guide to Home Improvement

BUILD A FREESTANDING CANTILEVERED DECK

PLUS:

BUILDING A **LOFT GUARDRAIL**

QUICK TIPS FOR **WALL-TO-WALL CARPET**

MAKING THE **FRONT PORCH** FRIENDLY AGAIN

July/August 2010
www.extremehowto.com
$4.99US $4.99CAN

TG KIK PRO SERIES

www.MyTGTools.com

YOUR ONE SOURCE SOLUTION

FASTER EASIER CLEANER

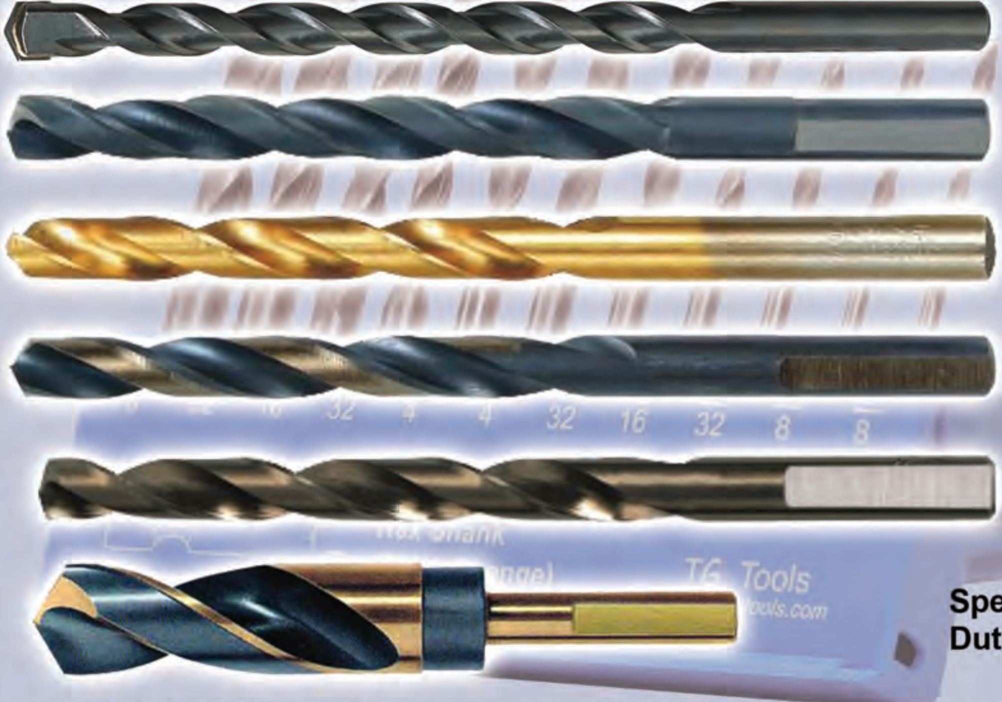
(For Quick Change)
TG Tools

KIK® Forstner Bit

KIK® HS Brad Point

KIK® Spade Bit

135° Split Point start from Contact
3-flat shank, less chuck slippage



Concrete	**Stronger, Faster Less Walking**
High Speed	**General Purpose**
Titanium Coated High Speed	**Longer Lasting**
Heavy Duty	**Heavy Duty Steel Usage**
Solid Cobalt	**Heavy Duty Steel Usage**
S&D	**Special Use Heavy Duty Steel Usage**

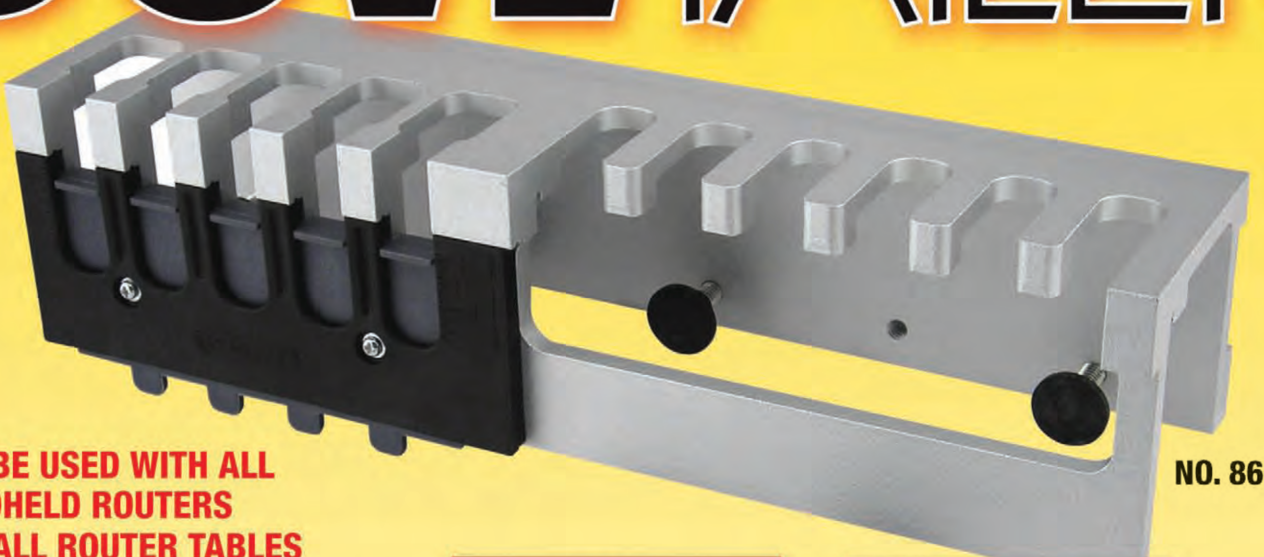
www.MyTGTools.com 1-800-687-4122

TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

E•Z Pro™

Cuts Dovetail Joints with Your Router!

THE DOVETAILER™



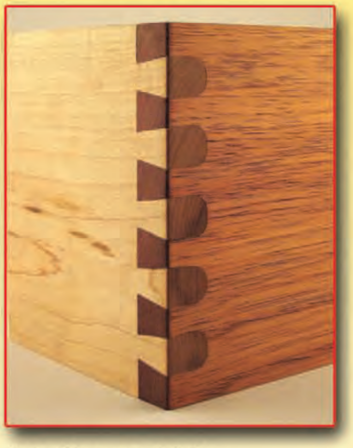
NO. 860

CAN BE USED WITH ALL HANDHELD ROUTERS AND ALL ROUTER TABLES

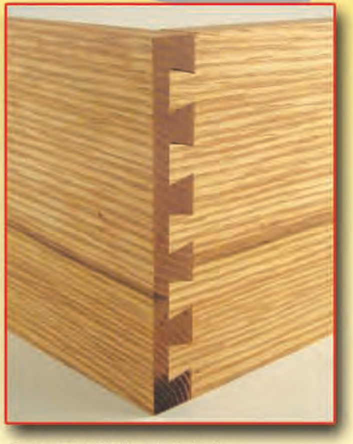
With the DOVETAILER™ Jig and your router, you can cut professional Through or Half Blind Dovetail Joints, simply and accurately . . . *Right Out of the Box!*

- Accommodates boards of any width
- Includes 1/2" Dovetail Router Bit

Includes 1/2" Dovetail Router Bit



Cuts Through Joints



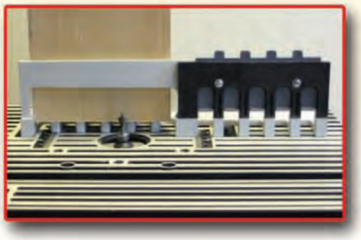
Cuts Half-Blind Joints

GENERAL
E•Z Pro
DOVETAIL JIG
DOVETAIL JIG
THE DOVETAILER
THE DOVETAILER

EASY TO USE FOR THE BEGINNER AND THE PROFESSIONAL

- Self-aligning design ensures that both ends of the dovetail joint match up evenly every time
- Portable to your work site or work area
- Sturdy machined aluminum construction
- Easily adjust the dovetail interference to create loose or tight joints
- No need to bolt the jig onto workbench like many other expensive Dovetail Jigs
- You bring the jig to the work piece, not the work piece to the jig
- Integrated clamps allow precise clamping of jig to work piece
- Can be used with all handheld Routers or Router Tables

THE EASY WAY TO MAKE PROFESSIONAL FURNITURE JOINTS



E•Z Woodworking

Popular Mechanics
EDITOR'S CHOICE AWARDS 2007

For the Professional and the Do-It-Yourselfer

GENERAL
E•Z Pro
POCKET HOLE JIG KIT
AWARD WINNER!
Popular Mechanics
No. 849

NO. 849

E•Z Pocket Hole Jig Kit

Award Winning Ingenuity!

KIT INCLUDES

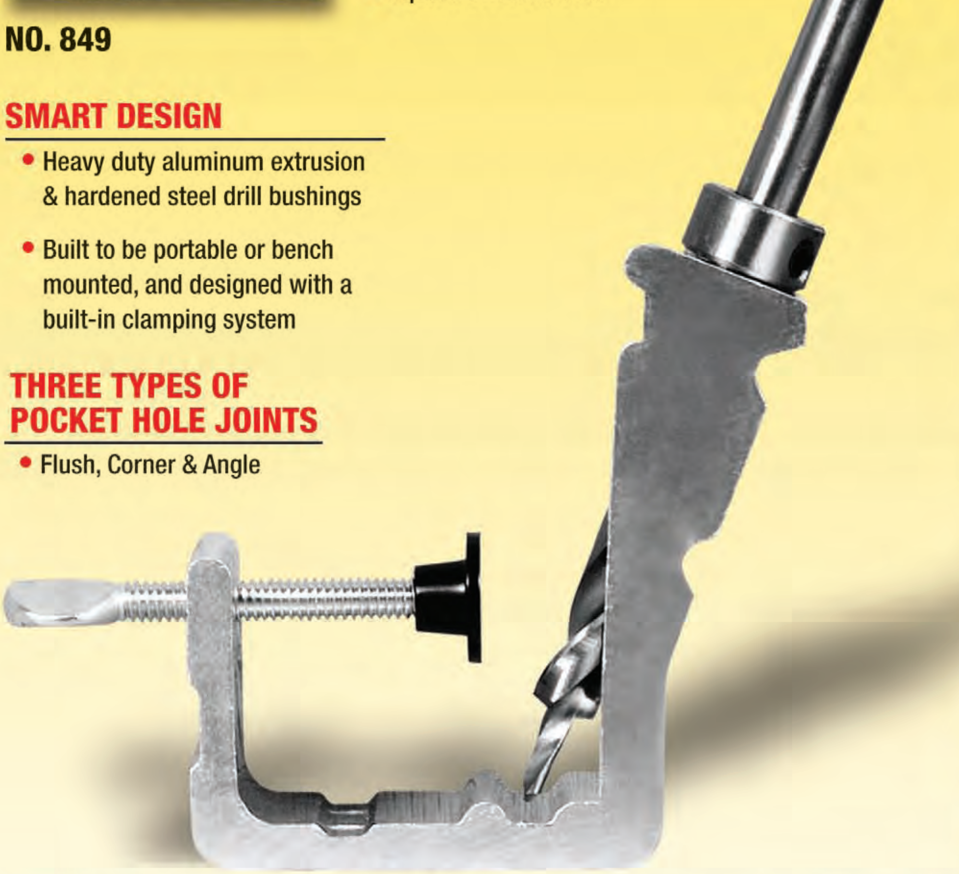
- 1 Pocket Hole Jig with Clamp
- 3/8" Step Drill Bit & Drill Stop with Hex Wrench
- 6" Steel Square Drive Bit
- Square Drive Screws

SMART DESIGN

- Heavy duty aluminum extrusion & hardened steel drill bushings
- Built to be portable or bench mounted, and designed with a built-in clamping system

THREE TYPES OF POCKET HOLE JOINTS

- Flush, Corner & Angle



Clamp wood in jig

Drill into pre-aligned holes

Assemble flush & corner joints

Assemble angle joints

Woodworking Made Easy!

For more information visit www.generaltools.com/joiningtools

General Tools & Instruments
80 White Street, New York, NY 10013-3567
TEL: 212. 431. 6100 TOLL FREE: 800. 697. 8665

GENERAL®

"It's your job . . .
General Tools make it easier"

TG®

KIK®

PRO SERIES

www.MyTGTools.com

YOUR ONE SOURCE SOLUTION

FASTER EASIER CLEANER

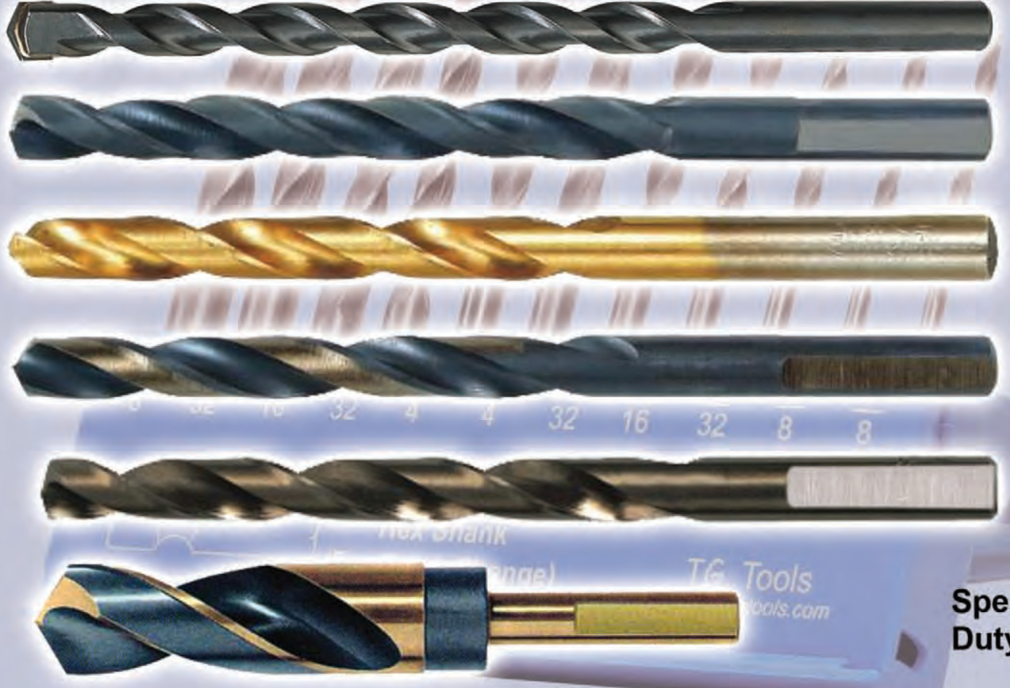
1/4
1 1/4
7/8
3/4
5/8
(For Quick Change)
TG Tools
TG 7"/8

KIK® Forstner Bit

KIK® HS Brad Point

KIK® Spade Bit

135° Split Point start from Contact
3-flat shank, less chuck slippage

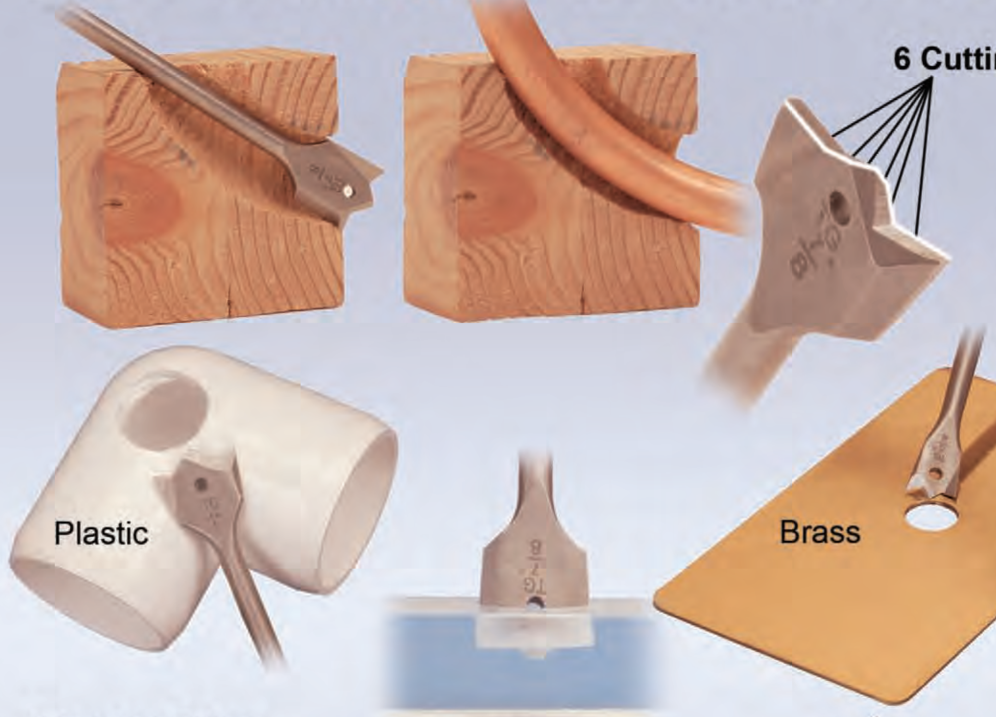


Concrete	**Stronger, Faster Less Walking**
High Speed	**General Purpose**
Titanium Coated High Speed	**Longer Lasting**
Heavy Duty	**Heavy Duty Steel Usage**
Solid Cobalt	**Heavy Duty Steel Usage**
S&D	**Special Use Heavy Duty Steel Usage**

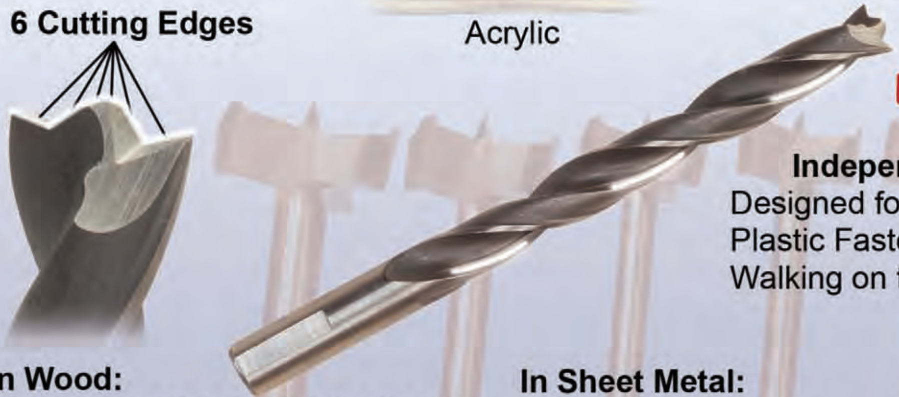
www.MyTGTools.com/kik1.php 1-800-687-4122

TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

We Put a KIK® in Your Boring Tasks!



The revolutionary KIK® **Spade Bit** has over 30% more cutting surface making them much faster and longer lasting than standard spade bits. There is no protruding tang to bend or break allowing these bits to even bore non-ferrous sheet metals and curved holes too! Tested and Proven Superior by an Independent Lab.



KIK® HS Brad Point

Independent Lab Tested and Proven

Designed for Drilling Sheet Metal, Wood and Plastic Faster, Cleaner with Longer Life and no Walking on the Surface.

In Wood:
- **Approximately 100% Faster** Compared to Common Brad Point
- **40% Faster** Compared to Standard Drill Bits

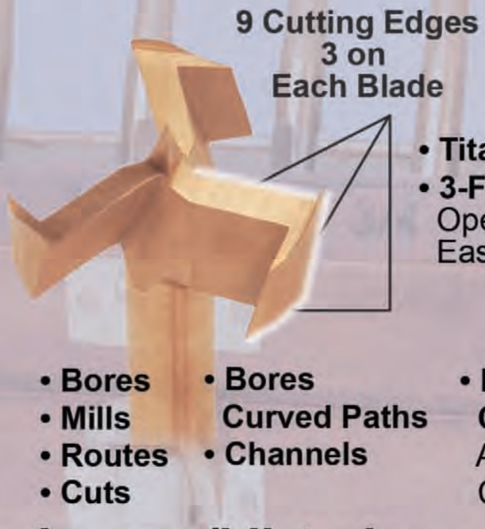
In Sheet Metal:
- **50% Cleaner** Entry
- Consistently **Round Hole**
- **20% Less Walking**

In Acrylic:
- **No cracking** Drilling Acrylic
- **150% Faster** Compared to Standard Drills
- **690% Faster** Than Other Brad Points

KIK® Forstner Bit

Proven Superior by an Independent Lab

Cleaner Entry and Exit



- **Titanium Coated**
- **3-Flat Shank**
  Open Head Design for no Clogging
  Easy Drilling and Direction Control

- **Bores through Hard Woods 100% Faster** Compared to Standard Forstners
- **Bores**
- **Mills**
- **Routes**
- **Cuts**
- **Bores Curved Paths**
- **Channels**
- **Bores Through Acrylics Cleanly Without Melting** Able to Bore 90 Degree Curved Paths

www.MyTGTools.com/kik1.php 1-800-687-4122

TG® Tools • 1010 Cedar Ave. • St. Charles, IL 60174 • ph 800-687-4122 • fax 630-584-4722

DON'T LEAVE
DUST
HANGING
IN THE AIR.

Lafarge
Rapid Coat
LOW DUST
All Purpose Joint Compound
Less Mess for Faster Clean Up

Rapid Coat® Low Dust, All Purpose Joint Compound forms heavier dust particles during sanding for less airborne dust.
Dust falls quickly to the ground instead of hanging in the air for less mess and faster clean up.

Find out more at
www.LowDustLessMess.com

LAFARGE

www.lafargenorthamerica.com

CONTENTS

July/August **2010**

FEATURES

38 On Guard
Building a Loft Guardrail

60 Making the Front Porch Friendly Again
Using the newest synthetic moldings and shingles—and tried and true techniques—to revive an old friend

70 Beam Me Up
Build a freestanding cantilevered deck supported by parallel beams.

RHEEM HYBRID WATER HEATERS

Super *efficient!*

HP-Series

Rheem
Rheem

Rheem HP-50 & HP-40

Our Most Advanced, Energy-Efficient Electric Water Heaters

Rheem air-source heat pump extracts the heat from warm air, intensifies the heat with a compressor, delivers the heat to the water, and exhausts the cooler air. Because it uses warm ambient air to do most of the work, it is super efficient.

2.0 energy factor

Over TWICE the efficiency of standard electric water heaters

- Rheem heat pump technology for superb energy-efficiency

Rheem
HP-50
CAUTION
RISK OF SCALDING INCREASES WITH HOTTER WATER
HOT
NORMAL
VACATION
TEMPERATURE SETTING
OPERATION MODE
HEAT PUMP OFF
ENERGY SAVER
NORMAL
OFF
ELECTRIC HEAT
ELECTRIC HEAT ONLY

- LED touch pad controls three energy efficiency settings and water temperature
- Easy to install! Drop-in replacement in attics, garages, furnace rooms
- Standard 3/4-inch NPT water inlet/outlet and condensate drain connections
- 40 & 50 Gallon capacities
- Fast first hour recovery

Visit us today! **www.rheemhpwh.com**

email sales@rheemhpwh.com

GET UP TO A $1500 FEDERAL TAX CREDIT

See tax advisor for details.

ENERGY STAR

Rheem

relax
It's Rheem®

Rheem Water Heating
101 Bell Road • Montgomery, AL 36117-4305
800-621-5622 • rheem.com • sales@rheem.com

RH031510

Watch the video at hydetools.com

HYDE®

Pivot Nozzle Wands for pressure washers

The Power is in the Pivot

With the Pivot Nozzle Wand, you can step back from the spray to a comfortable position, and let the tool do the work instead of your body. It's a pivotal new solution, only from HYDE.®

Nozzle Pivots
90°
HYDE

2 SIZES
- 40" long, up to 4000 PSI wand for use with all 1/4 inch threaded guns.
- 28" long, up to 3200 PSI wand for use with all M22 threaded guns.

Twist Handle to Pivot Tip

www.hydetools.com
800-USA-HYDE

For a better finish, start with HYDE.®

©2010 Hyde Tools, Inc. All rights reserved.

CONTENTS

EVERY ISSUE

8 **From the Editor**

96 **Advertisers Index**

COLUMNS

10 **Q & A**

14 **Material Market**
Why Vinyl Siding for Today's Designs?

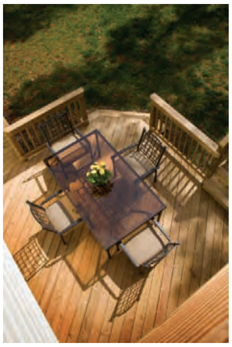
24 **Spotlight**
Save Energy, Save Money

DEPARTMENTS

86 **Skill Savvy**
Quick Tips for Wall-to-Wall Carpet

92 **Hot Products**

STRONGSUIT™
STRENGTH AT HAND
92



Cover photo courtesy Arch Wood Protection

Lifetime Warranty

Genova Products has provided a lifetime warranty on all its PVC building products since 1962.

Beautiful today . . .
Beautiful FOREVER

Genovations®
Decking
& Railing

In a class by itself . . . NOT composite, NOT cellular PVC
SOLID PVC DECKING with enhanced surface technology

will not fade, stain, scratch, or mold

Faster,
Frustration-free
Installation

Automatic Board Alignment
Tongue & Groove Design
No Expensive Fasteners
No Tedious Spacers

Proudly made in the USA

Contact us for samples
or more information

genovaproducts.com
800.521.7488

LETTER

From The Editor-In-Chief

Al Gore would tell you global warming is an irrefutable fact, and mankind is the culprit. Rush Limbaugh would tell you that climate change is a naturally occurring phenomenon, and man is not to blame. As for me, I'm just an English major who hammers a lot of nails. I don't know much about environmental science, so I'll keep my mouth shut.

However, as a media professional in the home-improvement industry, I'm constantly inundated with new product announcements that claim to be "green," meaning they're marketed as friendly to the environment due to their composition, their manufacturing process, or their energy-efficient performance. Because of the political figureheads so often associated with one side or other of the climate argument, these "green" products are sometimes greeted with cynicism by skeptics of manmade global warming who feel the marketing strategy is little more than a ruse to cash in on environmental alarmism. You probably see more of this attitude in a "red state" like Alabama than you do in Southern California.

I'll admit that I've seen some questionable claims of environmentally friendliness from a variety of products. Over the last couple of years I've seen certain products repackaged as "green" items with no changes in the design or performance of the product whatsoever—just a change in the labeling, which seems to cheapen the more legitimate efforts on the market. If all products are touted as "green" then the meaning of the term loses its potency.

However, politics and global warming aside, homeowners shouldn't lose sight of the forest for the trees. To begin with, there's a lot more to environmental issues than global warning; energy usage can also contribute to ground, water and air pollution, as seen with the "Ozone Alerts" we get here in Birmingham every summer. Thankfully, new technology is giving rise to some really revolutionary products that can better our lives as a whole, and I'm talking about a focus on energy-efficiency.

In these trying times of financial upheaval and international terrorism, many people are focusing less on climate change and more on immediate, fundamental needs such as the family bank account and worries over national security. So, if environmental protectionism isn't at the top of your product purchasing priorities, then allow terms like "energy efficient" to trigger a different signal in your brain—namely, these are products that can reduce your energy bills and make steps toward national energy independence.

As we use fewer energy resources in our daily lives, we pay for fewer resources. Frankly speaking, this cost-saving benefit, more so than environmental concern, is what convinced me to move from incandescent bulbs to compact fluorescents in virtually every light in my house.

As far as energy independence, the fewer natural resources we consume, the less we need to import from other countries. And, we import A LOT. Given the tumultuous nature of the international community, I don't want North America to depend on other countries for anything more than is absolutely necessary.

Despite how sensitive you may or may not be to environmental concerns, there's a lot to love about energy efficiency. Check out a roundup of new energy-efficient products on page 24.

Extreme How-To

EDITOR-IN-CHIEF
Matt Weber
mweber@latitude3.com

COPY EDITOR
Tanya Thompson

ADVISORY BOARD
Monte Burch
Kevin Hayes
Kathy Ziprik
Mark Clement

CREATIVE DIRECTOR
Wesley Glassco

CIRCULATION
Mark H. Gamble

PUBLISHER
Chad Gillikin
cgillikin@latitude3.com

ASSOCIATE PUBLISHER
Jeremy Hollingsworth
jhollingsworth@latitude3.com

ADVERTISING SALES
Hal Jones
hjones@latitude3.com

Jan Logan
jlogan@latitude3.com

Martha Stephens
mstephens@latitude3.com

Martin Smith
msmith@latitude3.com

Warren Pinheiro
wpinheiro@latitude3.com

BUSINESS MANAGER
Dusty Statham

REPRINTS
Jackie Epler
717-481-7677
jepler@reprintdept.com

SUBSCRIPTIONS
Customer Service
888-587-8911

PRESIDENT
Trent R. Boozer

EXECUTIVE VICE-PRESIDENT
Chad Gillikin

EXECUTIVE VICE-PRESIDENT
Val Carrier

SENIOR VICE-PRESIDENT
Mark Gamble

Extreme How-To is published by
LATITUDE3 MEDIA GROUP, LLC
1111 Edenton Street
Birmingham, AL 35242
Phone 205.949.1600 · Fax 205.949.1601
www.extremehowto.com

Extreme How-To (ISSN 1540-5346) is published and distributed monthly to DIY home improvement enthusiasts by Latitude3 Media Group, LLC, 1111 Edenton Street, Birmingham, AL 35242 (executive and editorial offices). All rights reserved. Neither this publication nor any part of it may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without permission of Latitude3 Media Group, LLC.
Subscriptions: U.S. and possessions: 1 year (9 issues – $18.97); foreign, 1 year (9 issues – $32.50) U.S. funds only. POSTMASTER: Send address changes to *Extreme How-To* P.O. Box 426, Mt. Morris, IL 61054-0426. SUBSCRIBER SERVICE: To order a subscription or change your address, write to *Extreme How-To* P.O. Box 426, Mt. Morris, IL 61054-0426, or call 888-587-8911; or E-mail to ehtw@pubdmgroup.com; or visit www.extremehowto.com. To order back issues, call (205) 949.1603.

The information in ***Extreme How-To's*** editorial content is intended to explain and simplify home-improvement tasks. Tools, products, materials, techniques, building codes and local regulations change; therefore, ***Latitude3*** assumes no liability for omissions, errors or the outcome of any project. The reader must always exercise reasonable caution, follow current codes and regulations that may apply, and is urged to consult with a licensed professional if in doubt about any procedures. **Printed in the USA**

"WE DECIDED TO PUT HANDSCRAPED
FLOORING IN OUR LIVING ROOM.
IT TURNED OUT BEAUTIFUL.
THANKS LUMBER LIQUIDATORS!"
TRISHA E., CLARKSTON, WA
VIRGINIA MILL WORKS CO.
HAND SCRAPED AND DISTRESSED FLOORS
Virginia Mill Works Knob Hill Birch

HARDWOOD FLOORS FOR LESS!
LUMBER LIQUIDATOR$
www.lumberliquidators.com
1-800-HARDWOOD

Over 200 stores nationwide! For a FREE catalog or a store near you call
1-800-HARDWOOD or go to lumberliquidators.com. Gift certificates available.

EXHT7.8.10

Q&A Got a ?

Questions About Home Building, Remodeling? Have Your Own How-To Tip? Visit our website at ***www.extremehowto.com*** *and click on Home Repair Forum.*

Q: *Why do building codes vary from location to location?*

A: In general, building codes are developed by industry associations to provide minimum safety standards for a home's occupants, the environment and the public at large. Building codes are adopted and enforced by local government officials and therefore vary based on local political issues, climate concerns, environmental regulations, etc. Most local building codes are derived from the International Code Council, with modifications based on local laws and regulations. However, building codes are "not intended to preclude the use of other construction methods or materials. All construction and materials must be approved by the authority having jurisdiction" (2009 International Residential Code). In other words, if the local building official determines that alternate materials, equipment or methods of construction meet or exceed the safety and soundness of what is prescribed by the building code, then the official may approve the alternate construction methods or materials.

……

Q: *While visiting a restaurant I noticed the walls had a faux finish with vertical striations like wood grain or the texture of certain plant leaves. I liked the warm and organic look. How is this accomplished?*

A: We've seen a faux finish like this accomplished with a tire brush. Just like it sounds, a tire brush is designed to scrub automotive tires, and it comes in a variety of sizes and bristle textures. The coarseness of the bristles will determine the size of the striations in the faux finish texture. This is a "negative" technique, in which a glaze is applied over the painted wall and the texture is achieved by removing the glaze to reveal the complementing paint color beneath it. For a tire brush negative effect, pull the brush downward across a wet glaze to create the thin parallel lines, similar to a wood-grain effect.

OUTSMART YOUR GUTTERS!

The SpoutOff

Now all your outlets can be kept clean and flowing WITHOUT A LADDER!

The SpoutOff is 4 METAL parts installed onto your gutters and downspouts. The SpoutOff enables you to take your 1, 2 even 3-story downspouts off your house and clean the outlets out DOWN ON THE GROUND! No tools needed.

FACT: KEEP YOUR OUTLETS CLEAN AND WATER WILL ALWAYS FLOW OUT OF YOUR GUTTERS, EVEN IF THERE IS DEBRIS IN THE REST OF THE GUTTER.

The SpoutOff can be installed with new rain gutter systems or The SpoutOff can be retrofitted onto present gutters and downspouts that are in good condition.

www.thespoutoff.com

toll free 866-289-1442

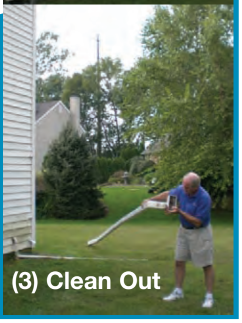
The SpoutOff

JUST THREE EASY STEPS!

SPOUT
OFF
BASE
CLIP

(1) Release

(2) Take Down


(3) Clean Out

U.S. GREEN BUILDING COUNCIL

MP global products L.L.C.

LEEDING THE WAY...

with Green Underlayments

For more than 10 years we've been manufacturing flooring underlayments from recycled materials. We were "Green" before it was fashionable. In the early days, our competitors scoffed at our "ugly" pads, but today everyone else is scrambling to "invent" their own green story. Thanks to all of you that have helped make QuietWalk one of the best known, best selling, and best performing floating floor underlayments on the market today.

Thousands of satisfied customers have installed literally acre after acre of our products. There's a reason that more and more architects and designers specify flooring underlayments from MP Global Products . . . and most qualify for LEED credits (Leadership in Energy and Environmental Design) as established by the United States Green Building Council. . Furthermore, our products are certified by Scientific Certification Systems (SCS) for recycled content and as a clean air contributor.

SCS CERTIFIED
INDOOR ADVANTAGE
GOLD

SCS CERTIFIED
RECYCLED
CONTENT
Pre-consumer

QuietWalk®
Insulayment®

QuietWalk®
Acoustic Underlayment for Floating Wood & Laminate Floors

Insulayment®
Acoustic Underlayment for Glue-down & Nail-down Wood Floors

QuietWarmth®
Radiant Heat for Tile, Wood & Laminate Floors

FIBERBACKER™
Acoustic & Anti-fracture Membrane for Tile Floors

MP global products L.L.C.
Your ENVIRONMENTAL Underlayment Specialists
888.379.9695 | quietwalk.com | quietwarmth.com

Q&A Got a ?

*Questions About Home Building, Remodeling? Have Your Own How-To Tip? Visit our website at **www.extremehowto.com** and click on Home Repair Forum.*

Q. *My mailbox has fallen victim to a game of "mailbox baseball." I'd like the next one to be encased in brick. How are brick mailboxes built?*

A. Mark off a 2-foot square for the mailbox foundation and dig it out about 8 inches deep. Level and compact the soil. Add 2 inches of gravel and compact it with a tamper. Fill the foundation with fast-setting concrete to ground level and let it cure. The mailbox case is built with an interior core of stacked 8-by-8-by-16-inch cement blocks surrounded by courses of brick. Center and square two blocks side by side on top of the concrete footer. Mark the location, remove the blocks and apply mortar to set the blocks. Lay the second course of blocks perpendicular to the first, and alternate the orientation of succeeding courses. Apply a layer of mortar on the footing around the base of the block foundation. Press the first course of bricks gently into the mortar, checking for level and plumb. Repeat the courses of block and brick all the way up the structure, removing excess mortar as you go. You'll need to leave an open area facing the street for the mailbox, which you can anchor in a bed of mortar and brick around as if it were a concrete block. Step up the remaining courses of brick to cover the mailbox for a decorative appeal. Fill any gaps with mortar. Before the mortar dries, shape up the joints with a jointing tool.

Q. *Our bikes were chained to a bike rack that was mounted to the wall of our back porch. Thieves still stole the bikes by unscrewing the toggle bolt that held the rack to the wall. Is there such thing as a thief-proof bolt?*

A. There are security fasteners on the market that require special keys to install and remove. These screws, nuts and bolts require specially shaped drivers to turn them—tools which thieves don't usually have at their disposal. Some security fasteners are so unique that the keys are only available from the fastener manufacturer. Another option is to reinstall a standard toggle bolt, and then use a grinder to distort the shape of its head so a thief won't be able to grip it with a wrench or screwdriver. **EHT**

Plumbing, Heating & HVAC Supplies

Order Online at www.pexsupply.com

Honeywell
SANYO
flexi multi inverter

Save 5% with coupon code PEXTREME

Real People. Real Service.
PexSupply.com www.pexsupply.com • 888.757.4774

A Tiling Breakthrough

DO IT YOURSELF.

EASY AS 1, 2, 3!

BONDERA™
Tile Adhesive on a Roll

To learn more visit BonderaTileMatSet.com
It's quick. It's clean. It's durable. No dust. No odors. No VOCs.

GRACE

PORSCHE
G-FLOOR
®

- Beautifies garages, shops, & work areas
- Easy to install & custom fit
- Hides cracks and stains
- Helps prevent concrete damage
- Reduced noise
- Insulates
- Cushions floor
- Reduces amount of dirt tracked into home
- Durable—5-year warranty
- Virtually seals floor
- Non-porus surface

Easy Peel & Stick Application

BLT
Better Life Technology LLC

Contact BLT for purchase locations
customerservice@bltllc.com
www.jumbo-floor-tile.com
Qualified distributors—please apply

MADE IN USA
Patents Pending

G-FLOOR®
RaceDay Peel & Stick Floor Tile
Slate Grey
Metallic Silver
Absolute White
Midnight Black
Four popular colors available
Coming in 2010: more fan-favorite colors
Available in sizes 12" x 12" 24" x 24"

Why Vinyl Siding for Today's Designs?

Tracing the Evolution of the Number One Exterior Cladding Choice

High-tech engineering, quality manufacturing and a focus on designing for diverse architectural styles are revolutionizing the way architects, designers, planners, developers, builders, remodelers and other building product specifiers regard vinyl siding for the houses they proudly create.

More and more, these professionals are including vinyl siding prominently, on its own and in combination with brick, stone and even other styles of vinyl and polymeric siding. They have always highly regarded vinyl siding for its durability, low maintenance and value. What's changed is that the improved aesthetic qualities and performance of today's vinyl siding are now featured on upscale homes, as well as on homes at all price points, with style, creativity and confidence.

Today's vinyl siding, beautifully replicating the clapboard styles of yesteryear, is being made for a sustainable future. The strong traditions of the architectural styles and structures of the past are preserved in the materials we have today, with technological enhancements that provide long-lasting benefits beyond the aesthetic. The historic traditions of clapboard-style architecture, including classically influenced styles such as Georgian, Greek Revival and Queen Anne, are easily and accurately specified using modern, low-maintenance technology—vinyl siding.

What's more, vinyl siding's performance as a sustainable building material enables it to achieve points for certification in the leading green building standard programs.

THE INSPIRATIONS AND THE INNOVATIONS

The inspiration came from the early craftsmen who designed and built in Dutchlap and Victorian traditions. The innovation came with the ability to develop and produce a highly cost-effective, durable, aesthetically pleasing product. The result is today's vinyl siding—the number one exterior cladding choice in the United States and Canada for new construction and remodeling.

Vinyl siding was first produced in the late 1950's at a manufacturing plant in Columbus, Ohio. The process was mono-extrusion, blending of colors was done manually, and early vinyl siding was little more than a replacement for aluminum siding. Early manufacturing processes made it difficult to produce and then install a consistent, quality product. In 1969, the first post-form vinyl siding was manufactured. A more scientifically engineered blended powder base—instead of the pellets that were used previously—resulted in a more durable and consistent end product and opened the door for the next generation of vinyl siding.

ARMSTRONG'S
WOOD STAINS

CONTRACTOR
TOUGH

Homeowner
Friendly

Photo courtesy of Ace Restorations, Pleasanton, California

"Long Lasting,
Easy to Apply
and a Breeze
to Maintain"

— Alan Broom,
Professional Wood Restoration Expert
www.shinebritellc.com

Shipped
Directly to
Your Door

For FREE sample cans,
call or email us now

Photo courtesy of www.thestainshop.com

Manufacturers of VOC-Compliant, Oil-Based Wood Finishes
(800) 916-8211 • www.armclark.com

PLEASE VISIT THE WEB'S PREMIERE SITES FOR OUTDOOR WOOD RESTORATION TOPICS AND DISCUSSIONS,
www.thegrimescene.com/forums www.thewoodpros.com

And, because it mimicked other products that were not diverse in color or style, it is easy to understand how negative attitudes and perceptions about vinyl siding spread throughout the building community. Now that monumental advances in technology have taken place, those attitudes are woefully out of date and the perceptions of the past have been replaced with the beauty and variety of today's vinyl siding.

Vinyl siding use grew steadily because of the basic advantages it provided, including low maintenance, value and easy installation.

The transformation of the product continued into the 1970's and 1980's, and it's still evolving today. The vinyl siding industry has made numerous improvements in formulation that allowed the product to be produced faster, resist impacts and allow an unlimited range of colors. Co-extrusion, electronic color blending and smooth finishes without harsh light reflection were huge steps forward. Those improvements also led to the development of a wide range of truly decorative and stylish architectural trim and accessories.

Inspired by the success of the vinyl window industry, more and more companies in the United States and Canada began adding vinyl siding to their manufacturing base. Helped by the pressures of competition and new technology, vinyl siding was beginning to beautifully replicate wood, without wood's maintenance issues or high cost.

ARE YOU READY FOR THIS?

Check all that apply:

☐ I have a collection of old dull drill bits I just can't throw away.
☐ I'd rather spend my money on new tools than on buying more drill bits.
☐ I know I should sharpen my drill bits, but I don't have time to become a sharpening expert.
☐ I want to drill clean, precise holes every time.
☐ I'm tired of searching through all of my used bits trying to find one sharp enough to use.

If you checked any of these, you're ready to sharpen your drill bits with Drill Doctor, THE Drill Bit Sharpener. See it in action online at

www.drilldoctor.com

1-888-MYDRILL (693-7455)

Drill Doctor®
The Drill Bit Sharpener

FULL THREE 3 YEAR WARRANTY

OVER 2 MILLION SOLD

Look for the Drill Doctor at Sears, The Home Depot, Lowes, Northern Tool, and wherever you buy your tools.

Vinyl siding can replicate wood without the maintenance issues.

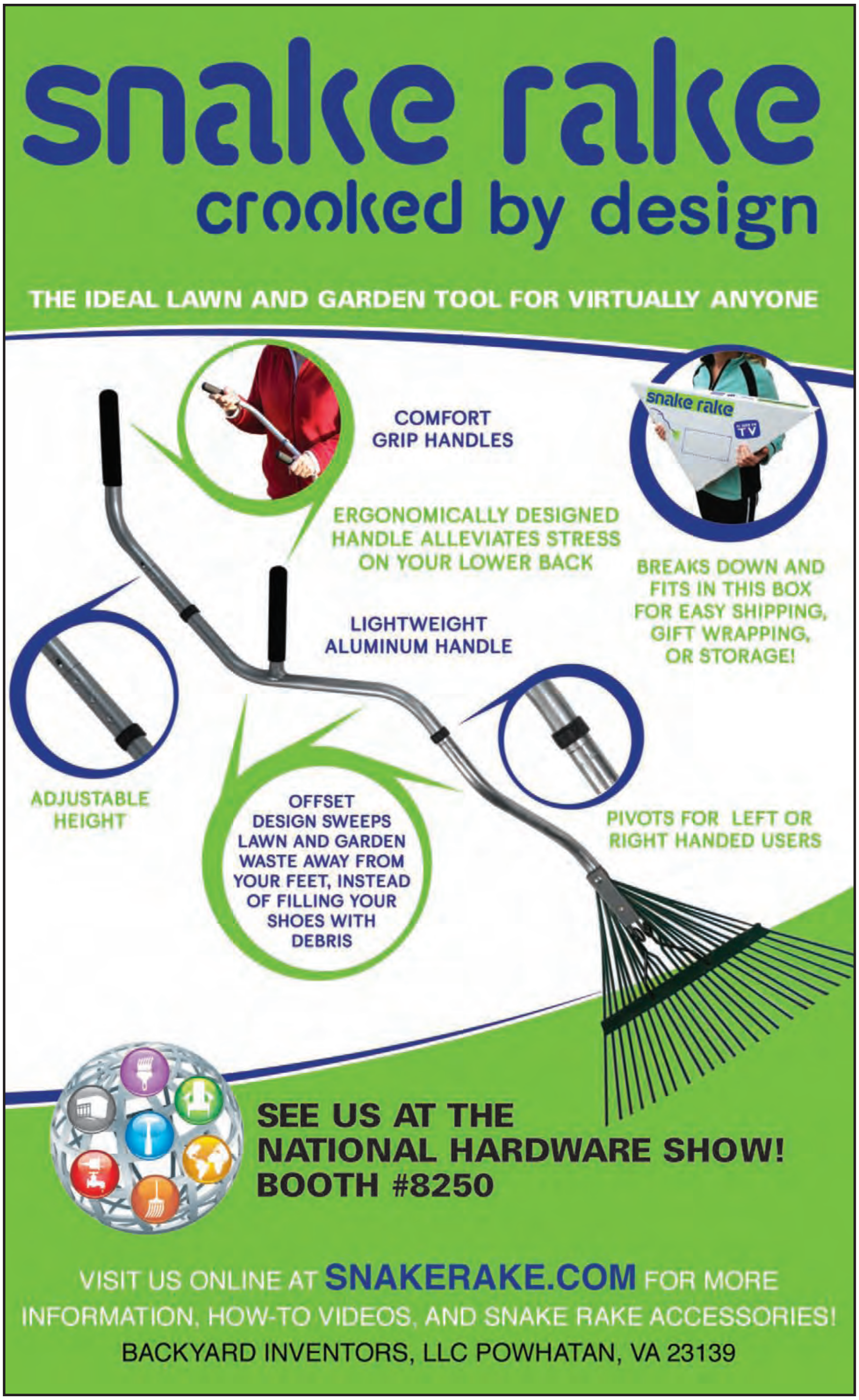
Vinyl siding grew to become the number one exterior cladding for both new construction and remodeling, and retains that position today. Options for profile design, colors, architectural trim and accessories continue to grow, and now vinyl siding can be used to achieve Victorian, Georgian, Craftsman or virtually any architectural style with elegance and attention to detail.

Vinyl siding is often used with other siding materials for a rich aesthetic design.

Beauty, performance and durability are now givens among the United States and Canadian vinyl siding manufacturers. Since 1998, the VSI Product Certification Program, sponsored by the Vinyl Siding Institute and administered by Architectural Testing, Inc., has allowed manufacturers to certify with independent, third-party verification that their products meet or exceed the industry standard for quality—ASTM D3679.

In 2006 the program added third-party certification based on the standard for color retention of solid color vinyl siding, ASTM D6864, for vinyl siding products already verified to meet ASTM D3679. Certification based on the standard for multi-hued (variegated) vinyl siding, ASTM D7251, was added in 2008. There are more than 950 certified products, and nearly 350 vinyl siding colors certified for color retention.

Since 2005 the VSI Certified Installer Program has trained and tested experienced vinyl siding



snake rake
crooked by design

THE IDEAL LAWN AND GARDEN TOOL FOR VIRTUALLY ANYONE

COMFORT GRIP HANDLES

ERGONOMICALLY DESIGNED HANDLE ALLEVIATES STRESS ON YOUR LOWER BACK

BREAKS DOWN AND FITS IN THIS BOX FOR EASY SHIPPING, GIFT WRAPPING, OR STORAGE!

LIGHTWEIGHT ALUMINUM HANDLE

ADJUSTABLE HEIGHT

OFFSET DESIGN SWEEPS LAWN AND GARDEN WASTE AWAY FROM YOUR FEET, INSTEAD OF FILLING YOUR SHOES WITH DEBRIS

PIVOTS FOR LEFT OR RIGHT HANDED USERS

SEE US AT THE NATIONAL HARDWARE SHOW! BOOTH #8250

VISIT US ONLINE AT SNAKERAKE.COM FOR MORE INFORMATION, HOW-TO VIDEOS, AND SNAKE RAKE ACCESSORIES!

BACKYARD INVENTORS, LLC POWHATAN, VA 23139

professionals on proper installation techniques, consistent with ASTM D4756. More than 4,000 vinyl siding installers have been certified through the program, with more being added every month.

GREEN BUILDING WITH VINYL SIDING

To meet today's environmental challenges, vinyl siding is engineered for sustainability. Vinyl siding manufacturing is an extremely efficient process with virtually no manufacturing waste. With modest amounts of energy

As a green product, vinyl siding is manufactured with virtually no waste, using a very energy-efficient process.

He's Been in the Building Business Since Last Summer.
We've Been Building Businesses for Over 100 Years.

For over 100 years, the Beck Fastener Group has known that in tough times, speed matters.

That's why we developed SCRAIL® collated fasteners, the versatile performance-driving crossover between a screw and a nail.

SCRAIL®
The Faster Fastener™

- Use them anywhere screws are used
- Saves time and labor costs
- Twice as fast as collated screws, eight times faster than bulk screws
- Easily adjusted, quickly removed
- Dramatically increased holding power versus nails
- Making projects easier since 1998

Get professionally connected by visiting us at www.fascoamerica.com/scrail for product specifications, FREE samples, and dramatic video of SCRAIL® in action, or call 800-239-TOOL (8665) for more information.
www.fascoamerica.com

Available exclusively through
FASCO® AMERICA
beck FASTENER GROUP

BECK Fastener Group® and SCRAIL® are registered trademarks of the Beck Fastener Group

SUBARU
Industrial Power Products

DEPENDABLE.

Your company, your word – even you. So much of what you do relies on being dependable. Shouldn't your equipment be held to the same standard?

Subaru offers a full line of generators and pumps, all powered by ***Subaru's technology-leading overhead cam engines*** – so there are no questions, no worries, just dependable equipment.

Be Dependable, Buy Dependable. Man Up. Insist on Subaru.

Learn more by visiting subarupower.com/power.aspx or calling 800.277.6246

3-YEAR WARRANTY
LIMITED MANUFACTURER'S WARRANTY

MAN UP
INSIST ON SUBARU
SUBARU
RGX5100
Robin Generator

used in manufacturing and in transporting such a lightweight material, vinyl siding contributes significantly less to global warming than many other cladding products. And it outperforms most other cladding materials, including brick, in almost all of the scientific performance criteria in recent analysis using Building for Environmental and Economic Sustainability [BEES] software, a life-cycle analysis tool developed by the National Institute of Standards and Technology (NIST). BEES is established per ISO 14040 and ASTM standards. The use of life-cycle assessment tools for selecting more environmentally preferable products contributes points toward green building practices in the ANSI approved ICC 700-2008 National

DESIGNING STYLE: A GUIDE TO DESIGNING WITH TODAY'S VINYL SIDING

The vinyl siding industry wants to continue helping to create innovative, sustainable communities for future generations, and to help support this effort, the Vinyl Siding Institute, Inc. (VSI) developed "Designing Style: A Guide to Designing with Today's Vinyl Siding", a resource for designing with and/or specifying vinyl and polymeric siding, architectural trim and accessories. VSI believes the most effective way to communicate the breadth and depth of products available today, and the creative, limitless possibilities for design, is by example. In "Designing Style," VSI included many photographs and illustrations plus information to help create specific architectural style. A PDF of this guide can be downloaded for free at www.vinylsiding.org/design.

Xtenda-Leg™
Essential for working safely on uneven surfaces
Cleated Feet
Rubber Feet
Made in USA
Order Now 702 736-2958
LadderLevelersLlc.com
www.PaintSprayShields.com
$9 flat rate freight
Big Selection
Kraft Shield Holder

"I fixed it faster than I broke it!"
"Sometimes things break when you're fixing them. Mostly they come in broke. Now instead of throwing parts away, I make instant repairs using RapidFix adhesive and welding powder. Glue it. Fill it. Then grind, drill and paint it, instantly. Can your glue do that?"
Demo DVD in every pack!
PTEN TOP 100 2009
See this amazing product in action
Go to YouTube.com ...search "RapidFix"
RAPIDFIX DUAL ADHESIVE SYSTEM
Beyond Super Glue!
www.Rapid-Fix.com

INNOVATIVE EXTERIOR PRODUCTS®
•THE FOUNDRY®•
SPECIALTY SIDING

class A fire rated
100 unique cedar molds
maximum color stability

Inspired by the charm and warmth of cedar, The Foundry is passionately focused on products that deliver cedar's natural beauty while providing maintenance free endurance. Cast from molds made from natural cedar, our Shakes and Shingles offer the lowest panel repeat in the industry. Engineered for sustainability, The Foundry is proud to offer Class A fire rated Shake and Shingle panels. We innovate for a living and manufacture products that are engineered for endurance and timeless beauty.

The Tapco® GROUP

Innovation Born from Original Thinking™

www.theTapcoGroup.com

ROOFING :: SIDING :: SHUTTERS :: SIDING COMPONENTS
TOOL SYSTEMS :: EGRESS SYSTEMS :: TRIM :: STONE VENEER

© 2010 Headwaters

Green Building Standard™ developed by the National Association of Home Builders [NAHB] and the International Code Council [ICC].

In addition, vinyl siding is a durable, long-life product. NAHB has cited "lifetime" as the estimated life expectancy of vinyl siding on a home in its "Study of Life Expectancy of Home Components" [February 2007]. Such durability is a key component of sustainability.

In the next 50 years and beyond, one can be confident that more architects, designers, planners, developers, builders, remodelers and other building product specifiers will discover and apply the beauty, durability and quality of vinyl siding. **EHT**

THE CHANGING FACE OF VINYL SIDING

One of the chief advantages of today's vinyl siding is that onlookers may not realize that what they're seeing is made of vinyl. With so many contemporary products that mimic the traditional look of wood or stone, there's very little difference in curb appeal between vinyl siding and its many competitive materials. Although many years ago vinyl siding had a poor reputation for looks and performance, those days are long gone. To clear up further misconceptions about today's vinyl siding, the *EHT* staff turned to the experts at the Vinyl Siding Institute and spoke to VSI President and CEO, Jery Huntley.

"Vinyl siding is a beautiful, low-maintenance material with new products that continue to focus on the vast variety of profiles, trims and colors," says Huntley. "It's also important to note that vinyl siding starts with the lowest installed cost of any exterior cladding. This low-cost aspect is a great added benefit to a product that is already beautiful, durable and green."

These days, "green" is the go-to word for many building materials, and Huntley points out that while some siding manufacturers may market their product as "green," vinyl siding has the facts to back up its claim of environmental friendliness. "I don't think the green message has been understood. Vinyl siding has been scientifically proven to be greener throughout its life-cycle than even we expected, which is why we provide those facts for the

STRONGSUIT™
STRENGTH AT HAND
www.strongsuitbrands.com

Strong Suit Inc.
sales@strongsuitbrands.com
864-252-7786 office
703-997-7811 fax

HANDS-ON WORKSHOPS
FOR
PV & SOLAR THERMAL INSTALLATIONS

Upcoming classes in HUDSON, MA

IREC ISP ACCREDITED Training Program

Basic & Intermediate PV Design
- July 12 - 16
- August 16 - 20
- September 13 - 17
- October 18 - 22
- November 15 - 19

Advanced PV Design & Installation
- July 19 - 23
- August 23 - 27
- October 25 - 29

Solar Water Heating Design & Installation
- August 30 - September 3
- October 4 - 8

THESE ARE ISPQ ACCREDITED CLASSES WHICH COUNT TOWARD NABCEP EDUCATIONAL CREDIT HOURS.

WE ALSO OFFER CLASSES IN COLUMBUS, OH AND COSTA RICA!

FULL CLASSES SCHEDULE AND INFORMATION ON-LINE NOW!

altE U®
making renewable do-able(TM)

altEstore.com/classes • 888-218-5924
Use code: EHTJUN10 when placing your next order!

public." Huntley explains that from its initial manufacturing process which creates virtually no waste to its light weight for easy transport, vinyl siding is truly an environmentally preferable siding option.

"Vinyl siding is also the only exterior cladding with product certification and certified installation programs," adds Huntley.

Certified installation sounds very promising, but *EHT* was curious about what she thought of "uncertified" do-it-yourself installation of vinyl siding.

"Vinyl siding is easy to install, but it's also easy to install wrong," explains Huntley. "VSI has a certification program for siding installers to ensure they use the proper techniques and are kept informed of new developments in the market. For this reason, we recommend that installation be performed by a certified installer. However, for a homeowner who is having a contractor install the siding for them, it's a good idea to review VSI's Vinyl Siding Installation Manual so they can monitor the installation techniques and approach the contractor with educated questions about the product."

VSI's official installation manual is available to the public as a free, downloadable PDF. To download the manual and to take advantage of all sorts of other vinyl siding resources, visit www.vinylsiding.org.

Do-It-Yourself Stainless Steel Cable and Glass Railing Systems

- Easy, DIY Installation
- Component Systems
- Custom Fabricated
- Many Style Options Available

Mention this ad and receive a FREE tool rental ($100 value).

CLEARVIEW®
by AGS STAINLESS, Inc.
TEL 888-842-9492
FAX 206-842-8179
www.agsstainless.com
info@agsstainless.com

Save Energy, Save Money

A Roundup of New Energy-conscious Home Improvement Products

A double-dose of good news for your home and the environment comes from new products that reduce utility costs by conserving energy while also lessening their negative impact on Mother Nature. Here's a roundup of select new products to consider for your next improvement project that will save money in the long run while proving kinder and gentler to the earth for the green-minded homeowner.

GE UNVEILS LED BULB THAT LASTS 17 YEARS

The inventor of the first visible light-emitting diode (LED) will introduce a 40-watt replacement GE Energy Smart LED bulb available later this year or early 2011. GE Lighting's new LED bulb is expected to consume just 9 watts, provide a 77-percent energy savings and produce nearly the same light output as a 40-watt incandescent bulb, while lasting more than 25 times as long. GE scientists and engineers designed the bulb to better direct light downward on the intended surface and all around, not just out the top of a lampshade, as most current LED bulbs are prone to do. The new GE LED bulb offers 450 lumens—the Energy Star threshold to be considered a 40-watt incandescent replacement. Currently available LED bulbs produce 350 lumens or less. GE has filed multiple patent applications for the bulb and expects it will be an Energy Star-qualified LED omnidirectional light bulb.

"This is a bulb that can virtually light your kid's bedroom desk lamp from birth through high school graduation," says John Strainic, global product general manager, GE Lighting. "It's an incredible advancement that's emblematic of the imagination and innovation that GE's applying to solve some of the world's biggest challenges." Learn more at www.ge.com.

BROAN-NUTONE FANS OPERATE AT $1 PER YEAR

Think $1.00 doesn't buy much anymore? Think again. Broan-NuTone offers a complete line of Energy Star-qualified ventilation fans for a healthier home, which operate for as little as $1.00 a year. Whether it's excess odors, indoor pollutants, mold prevention or improving the overall quality of indoor air, this is a great value for a healthier home. The Energy Star lineup of Broan and NuTone ventilation fans includes 35 different models from the Ultra Silent Series, recessed fan/lights, as well as heavy-duty

Metal Spirals from $495

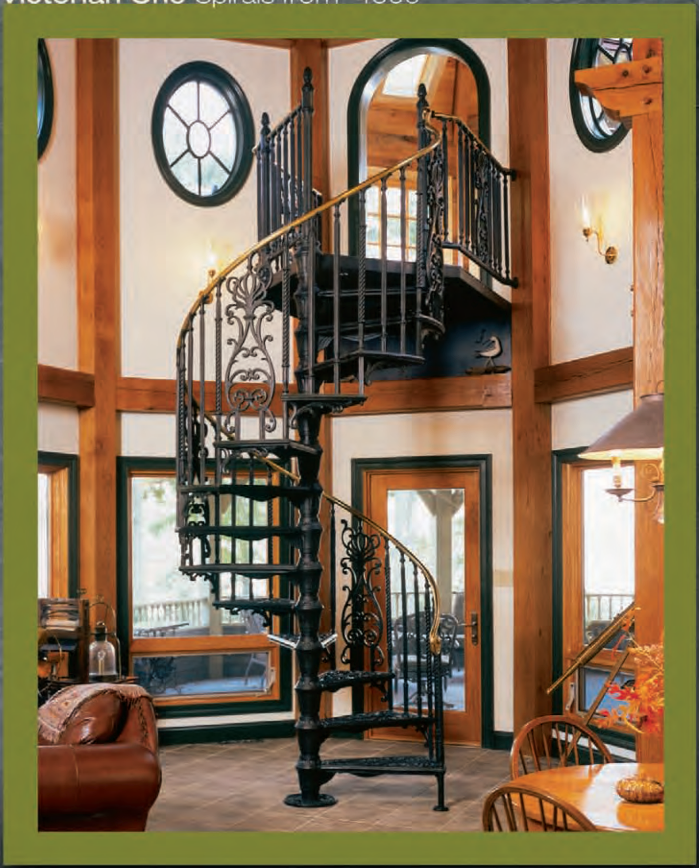
Spiral
Stair Kits

Add affordable beauty and
space saving functionality
to any room.

From simple elegance
to ornate Victorians…

Oak Spirals from $2850

Victorian One Spirals from $4500



you'll find the spiral stair kit
that's right for your budget.

THE IRON SHOP®
The Leading Manufacturer of Spiral Stair Kits®

*Call for the **FREE** color Catalog*
1-800-523-7427 *Ask for Ext. EHT*
or visit our Web Site at
www.TheIronShop.com/EHT

Proudly made in the U.S.A. since 1931

models ideal for light commercial installations and offices. The Ultra Silent Series includes basic bath fans, fan/light/nightlight combinations, humidity sensing fans and humidity sensing/fan/light/nightlight combinations. Energy Star fan-only models use less than 10 kilowatt hours per year.

Weatherseal Kits

From entry doors to garage doors, we have strip brush kits to fit your needs.

Brush weatherseal is a cost-effective, energy-efficient, environmentally friendly weather strip and pest deterrent.

- Long lasting; when properly installed properly, it rarely needs replacement. Typical vinyl weather strips fail over time, cracking and tearing with use. Brush weatherseal performs consistently over time and in extreme temperatures without degenerative effects.
- Reduces the need for poisonous pesticides by blocking light and odors which attract pests.
- Made of completely recyclable materials and components may be made of recycled materials.
- Reduces heating and cooling costs by covering the cracks and crevices around entry doors of all types, as well as overhead garage doors.

brushweatherseal.com

"All of the Energy Star-qualified fans from Broan and NuTone are certified by the Home Ventilating Institute (HVI). The HVI label is a homeowner's assurance that the certified air flow and sound ratings for a certain ventilation product are the results of testing by an independent laboratory," says Patrick Nielsen, marketing manager, ventilation fans, Broan-NuTone. Learn more at www.Broan.com.

Energy Star-qualified ventilation fans that include light use 70 percent less energy on average than standard models. These fans provide better efficiency and comfort with less noise and use high-performance motors that work better and last longer than motors used in conventional models. They also feature improved blade design for better performance and longer life.

LENNOX SUNSOURCE HOME ENERGY SYSTEM

Lennox SunSource Home Energy System uses renewable solar energy to heat and cool a home, and more. Lennox touts the product as "a gateway to the future of innovation in the HVAC industry" and a simple way homeowners can harness the power of renewable energy at home. The SunSource consists of a solar-ready, high-efficiency Lennox air conditioner or heat pump that has been specially enhanced to

SunSource™
Home Energy System
LENNOX

serve as the platform for this new home energy system. A Lennox solar subpanel provides the connection between utility-interactive solar power system and the HVAC unit. Roof-mounted solar modules harness clean, sustainable energy from the sun and use it to run the home's central heating and cooling system. When the system is not operating, the solar energy is supplied to other devices that consume electricity, such as lighting and appliances. Once the system is fully set up, homeowners can expect to see a reduction in their utility costs. Down the line, if they want to see their bills lowered even more, they can expand on the system by adding additional solar modules—up to a total of 15 roof-mounted modules per outdoor unit. Learn more at www.lennox.com.

RHEEM HEAT-PUMP WATER HEATER TWICE AS EFFICIENT

The new integrated air-source HP-40 Heat Pump Water Heater from Rheem offers an industry-leading Energy Factor (EF) of 2.0, or more than twice the energy efficiency of a standard electric storage water heater. The energy-saving design will help a family reduce its carbon footprint by nearly two tons annually. In addition, the new water heater qualifies for a federal tax credit as well as many state and utility rebates and incentives. Intended for residential applications, both new construction and drop-in replacement of existing water heaters, the unit has a storage capacity of 40 gallons and meets the qualifications for an Energy Star listing. Measuring only 21 inches in diameter, the new Rheem Heat Pump Water Heater offers the same slim, portable profile as the 50-gallon HP-50 model. But thanks to its smaller storage capacity, the HP-40 hybrid is 10 pounds lighter and 10 inches shorter, with an overall height of 65.5 inches. As a result, installation in spaces with restricted access—including attics and basement mechanical rooms—is even easier.

KEEP YOUR MONEY *INSIDE* YOUR HOME WITH Touch 'n Foam

5%
Ceilings
16%
Windows
17%
Frame Walls
3%
Doors
38%
Cracks in Walls, Windows & Doors
Basement Floors
1%
20%
Basement Walls

- ✓ Most homes have dozens of gaps and cracks that cause energy loss
- ✓ Identify your problem areas and seal them with Touch 'n Foam
- ✓ Start saving energy dollars today

MADE WITH RENEWABLE RESOURCES

ENERGY TAX CREDIT ELIGIBLE

Using Touch 'n Foam products may be eligible for Federal tax credits. Visit www.touch-n-foam.com/tax to learn more.

www.touch-n-foam.com/tax

ALWAYS WEAR GLOVES
SAVES ENERGY!
Touch 'n Foam
MaxFill
Maximum Expanding Sealant
Made with Renewable Energy Resources
Fills Larger Holes and Voids
Forms an Airtight Seal
Eco-Friendly Formula
CAUTION: FLAMMABLE. MAY CAUSE SKIN IRRITATION

"The HP-40 hybrid, which is the only 40-gallon heat pump water heater available today, was designed with younger couples and empty-nesters in mind," says Rheem senior product manager Tommy Olsen. "Their daily hot-water requirements are much less than those for a family of four or more, but they still want the excellent energy-saving benefits of a cutting-edge hybrid that integrates heat pump technology with conventional electric elements."

Instead of heating stored water directly with a conventional electric element—or with a burner, as in the case of a gas unit—a heat pump water heater transfers available heat from the ambient air, intensifies the heat and transfers the heat into the water, a far more cost- and energy-efficient process. Learn more at www.rheem.com.

MISTUBISHI M-SERIES STAR LINEUP COOLING/HEATING UNITS

Mitsubishi Electric Cooling and Heating Solutions has introduced the split-ductless M-Series Star Lineup, featuring updated indoor and outdoor units designed for maximum energy efficiency. The advanced MSZ-FE lineup includes models that are Energy Star rated and allow homeowners to take advantage of federal tax credits of up to $1,500. The systems offer high heating performance with operation possible down to minus 13 degrees. The Star Lineup also features some of the highest SEER and HSPF ratings Mitsubishi Electric has ever offered, all while saving more than 40 percent on energy usage compared to standard window units. Pictured here, the MSZ-FE systems offer

Supergrit® SANDPAPER
MIRKA & INDASA products at best prices!
PREMIUM QUALITY • DISCOUNT PRICES • CLOSEOUTS
WOODWORKING AUTO BODY & MARINE METAL WORKING

BELTS: BEST QUALITY RESIN/RESIN, A.O., "X" CLOTH

Size	Price/ea.	Size	Price/ea.	Size	Price/ea.
1 x 30	$ .85	3 x 24	$ .90	6 x 80	$6.60
1 x 42	.90	4 x 21 or 21³/₄	1.30	6 x 89	7.00
2¹/₂ x 14	1.00	4 x 24	1.40	6 x 108	10.00
3 x 18	.90	4 x 36	1.80	6 x 186	16.40
3 x 21	1.00	6 x 48	3.80	Splindle Sander Sleeves	
3 x 23³/₄	.90	price quoted 100 grit	10/box		

WIDE BELTS
Heavy "Y" weight
37" x 60" $30
37" x 75" $33
all other sizes

A/O CABINET-BROWN OR GARNET-ORANGE
PREMIUM 9" X 11" SHEETS

Grit Size	Sheets per Pack	Price/Pack
40D	50PK	$20.00
60D	50PK	$17.00
80D	50PK	$16.00
100C	100PK	$27.00
120C, 150C	100PK	$26.00
180A, 220A, 320	100PK	$23.00
A.O. Sampler 10 Grits 40-320A	100PK	$24.00

DRUM SANDER CLOTH ROLLS
1", 2", 3", 4", 4¹/₂", 6", WIDE JWT and XWT

2" Kit $18
3" Kit $20
HOOK & LOOP

Size	No. of Holes	Price/50
4¹/₂"	8	$14.00
5"	5 or 8	$15.00
6"	6,8,16	$17.00

Size	Price/ea.
8" Solid "E"wt.	90¢
9" Solid "E"wt.	$1.50
12" Solid "E"wt.	$2.50

MIRKA ABRALON
6" H&L Disc
GRITS
180, 360, 500, 1000, 2000, 4000
$60/20

BLACK WATERPROOF S.C. 9" x 11" Sheet Grits 150-2500 $30/100
WHITE NO LOAD S.C. 9" x 11" Sheets Grits 220-600 $24/100
PORTER CABLE H & L DIAMONDS Grits 60, 100, 150, Asst. $25/75
PORTER CABLE PSA 1¹/₂" x 2¹/₂" Sheet for Profile Grit 80, 220 $2/20
PORTER CABLE 9" H & L DISCS Fits Model 7800
Drywall Sander | Foam pad + 5 discs per set
Grits 80, 120, 150, 180, 220 $12.50/set
Gator (USA) Sanding Sponges 3" x 5" | Assorted Grits $12.50/10
ABRANET DISCS – 3" $27/50, 5" $30/50, 6" $36/50,
FREE 48 Page Color Catalog
Red HILL CORP., P.O. Box 4234, Gettysburg, PA 17325
TEL (800) 822-4003 • FAX (717) 337-0732 • www.supergrit.com

What lies beneath?
oneliner
The one and only structured shower liner
Protecting tile showers from leaks and mildew for over 15 years!
DIX SYSTEMS
Toll Free: 1.888.450.0112 www.dixsystems.com

single-zone heat pump models, indoor unit compatibility with MXA-2B20NA multi-zone systems, exceptional efficiencies and heating capacities, rated Btu/h capacities of 9,000 and 12,000, and the i-see Sensor, which automatically detects room temperature differences and adjusts for comfort. Learn more at www.mehvac.com.

ODL SOLAR ENTRY LIGHT

The new ODL Solar Entry Light is an excellent alternative to standard outdoor lighting, as it uses free energy to light entryways throughout the night. The Solar Entry Light contains four super bright LEDs and provides enough light to allow easy entrance into homes after nightfall. The light allows consumers to see the keyhole, the ground and the steps leading to the door. The unit can be installed in minutes and is completely self-contained, requiring no hard wiring. Learn more at www.odl.com.

Change or Restore Your Grout Color

With a penetrating grout stain colorant system that lasts the lifetime of your flooring.

AmeriTech Industries
Grout Rejuvenator
Change or Restore Grout Color
Interior or Exterior Use
ameritechindustries.com
One (1) Quart
SAVE 10%
COUPON CODE XHT
Before
After

- Protects grout for the lifetime of the flooring
- Change existing grout to any shade or color
- Dark grout can be colored sealed lighter
- Easy installation with no shut down time
- Makes any tile and grout look brand new

www.ameritechindustries.com
Toll free (866) 429-1959

AmeriTech® Industries

HI-VELOCITY HIGH-PRESSURE HEATING AND COOLING

The Hi-Velocity System from Energy Saving Products Ltd. is an energy-efficient, high-pressure air delivery system that can be designed to provide heating, cooling, filtration, ventilation, humidification and dehumidification. The Hi-Velocity System works on the principle of pressure rather than air velocity. Unlike a conventional furnace, the supply ductwork is all "small diameter" or "mini duct." With the use of a high-pressure area to low-pressure area, the air in the room is continuously mixed, creating even temperatures from floor to ceiling. Because the plenum duct is pressurized, dust buildup within the ductwork is eliminated. With continuous air circulation from the constant fan, airborne dust and other allergens can be easily filtered out of the air. The innovative fan coil and unique cooling technology help create a healthier and more enjoyable indoor living environment. Save money on monthly operating costs by programming the system's Energy Smart Variable Frequency Drive Motor. Learn more at www.hi-velocity.com.

We have done it again,
a *simple* In-Wall Timer Switch
for every day of the week.

Introducing the new Model LST700
7-Day Digital Wall Switch Timer,
the industry's only timer that features
semi-automatic day-of-week into
ON / OFF Event programming.

- Controls Low-Power CFL & LED Bulbs
- (2) ON/OFF Settings every 24 Hours or full 7 Day Control - (14) Total Events / Week
- Single Pole or 3-way Operation
- Large LCD Display
- Large Manual Override Switch
- Simple to Install, Program & Operate
- Set & Forget Memory
- Never Needs Batteries
- Built-in 1-60 Minute Count-Down Timer
- Optional Backlight for Easy Viewing & Locating

Swylite®
Today's Technology, Yesterday's Simplicity.

Made in the USA

Shop our secure eStore at http://www.SwyliteStore and enter code EHT-SWYLITE to receive $5.00 off each timer purchase until Sept. 30

Swylite Corporation
Winter Park, FL 32792 USA
T: 877.673.6544 | F: 407.673.6545 | www.Swylite.com

AM
ON
12:43
W
TIME OFF
CLK SET
TIME ON
VARI
MAN/ PRGM
AUTO RUN

AIRFLOW BREEZE ULTRA VENT BOOSTER

Have a "problem" room that never seems to adjust to the right temperature? Now, there is a safe and energy-efficient way to heat or cool down your room without ever touching your thermostat, and it's a simple DIY product that any homeowner can install. AirFlow Technology has developed the AirFlow Breeze Ultra, a universal vent booster fan with a built-in temperature sensor capable of fixing "problem" areas and by www.betterwayac.com

INGRAM'S
WATER & AIR EQUIPMENT

Guaranteed lowest Prices.

See for yourself at
BetterwayAC.com

INGRAM'S OFFERS:

FRIENDLY SERVICE.
We are a friendly, family-owned business that enjoys getting to know our customers. Your concerns have our utmost attention.

LOWEST OUT THE DOOR PRICE
We guarantee to have the lowest out the door price. This is after shipping cost, special handling fees, insurance, and etc.

FAST SHIPPING.
All HVAC shipments are easily monitored from our door to yours. We strive to save you additional money on freight cost, call us for the lowest available shipping quote.

HEATING & AIR CONDITIONING: Air Conditioners, Geothermal Heat Pumps, Split System Heat Pumps and more!

WATER EQUIPMENT: Water Softeners, Water Coolers, Faucet Mount Filters and more!

AIR PURIFICATION: Electronic Air Cleaner, Low Micron Media Filter, Humidifiers, Portable Air Units and more!

www.betterwayac.com
INGRAM'S
WATER & AIR EQUIPMENT

Lowest out the door price guaranteed! Call us **1-866-465-7582** quietly raising or lowering the temperature 3 to 5 degrees F., no matter the season. The fan can also assist in moving air up, down, from room to room or level to level. With operating costs less than $5 per year, it's a simple cost- and energy-efficient way to keep the home cozy. Simply slide the AirFlow Breeze Ultra

directly into a floor register opening measuring 6-by-10 or 6-by-12 inches and plug into a standard outlet—no further steps are required. For wall and ceiling mounts, simply drill two screw holes and attach the AirFlow Breeze Ultra to the surface using standard screws. The AirFlow Breeze Ultra may be powered either from the front or back with the included 6-foot power cord. Vent fans for 4-inch registers are also available. Learn more at www.aftproducts.com.

FLOOR HEATING SYSTEMS FROM HANNEL RADIANT DIRECT

A smartly designed radiant floor heat system is among the most efficient heating systems available for homes. Radiant floor heat typically costs less to heat your home than other types of heating, and you can choose

Lam-Hammer
Makes Installing Laminate & Engineered Flooring a Breeze!
ELiminate
Cabinet Damage
Drywall Pops
888.687.2421
www.lam-hammer.com
Attention Dealers
DIY model (Lam-Hammer, Jr)
now available in POP box
(6 tools per box)
EHT0410

EASY CROWN®
MOLDING

Do it yourself with no tools!

Before
Just peel...
and place!

Easy Door Crown
Decorates any window or door from 25" to 46" wide. Simply adjust to length, peel and place.

One Easy Crown molding kit will decorate a room up to 17' x 17'.

In less than an hour, add the look of expensive architectural moldings to your home with the new 4 1/2" Easy Crown Molding and the new Easy Door Crown, all for a price that you will not believe.

Add the Professional touch...
without the Professional!

---

www.EasyCrownMolding.com

EZ A PEEL.com...The home of Easy Crown Molding and other EZ A Peeling ideas for home improvement.

EZaPeel® 888-EZA-PEEL
888-392-7335

COUPON CODE: EHTO8

from systems powered by oil, propane, natural gas or electricity. It may be freezing outside, but your radiant heat system will keep you warm from head to toe. With radiant heat, you can also zone different areas of your home to different temperatures to conserve energy and fit your lifestyle, unlike central heating and air. Hannel Radiant Direct offers high-quality, comprehensive radiant heating packages for the do-it-yourselfer as well as the contractor at a competitive price. Learn more at www.radiantdirect.com.

ICM CONTROLS' SIMPLE COMFORT SE5000 THERMOSTAT

ICM Controls has launched its new programmable SimpleComfort SE5000 Series Smart Energy Thermostat. The SE5000 features an in-home energy display coupled with a residential thermostat, providing direct HVAC load control by utility companies serving Smart Grid customers. The SimpleComfort SE5000 series is designed around the ZigBee smart energy profile for communication with smart meters, a core technology for monitoring, controlling and automating the delivery and use of energy to improve energy efficiency and reduce environmental impact. The SE5000's in-home energy display allows the user to monitor key energy data in real time. The programmable SE5000 series features 7-day programming, multi-stage heat/cool compatibility with adjustable temperature differential for each stage, automatic changeover and soft-touch control buttons. Learn more at www.icmcontrols.com.

TIER:2 (NORMAL)
PRICE: 2.8¢/KWH
67
SimpleComfort SE5000

SIMONTON WINDOWS MEET NEW ENERGY GUIDELINES

On January 4th, 2010 the Energy Star program introduced new criteria to improve energy performance levels of windows and doors for all regions of the country. As a partner with the program for the past 11 years, Simonton Windows was prepared for the changes and has introduced Energy Star zone-specific packages for each product the company produces.

"We have made sure that every Simonton product line has an Energy Star-specific glass package that can be easily ordered for each of the four climate zones within the program," says Tony Eschmeyer, senior product manager for Simonton Windows.

Named for each Energy Star climate zone, (Northern, North-Central, South-Central and Southern) Simonton's new Energy Star glass packages provide the optimal balance of thermal efficiency and value. Each package is optimized for the particular product line and geographic zone in which the window or door will be installed. Selecting the right glass package is as simple as:

1. Specifying the Simonton windows and doors you want.

2. Stating that you want Energy Star-qualified products.

3. Indicating your climate zone.

Learn more at www.simonton.com.

SWYLITE DIGITAL IN-WALL TIMER SWITCHES

Swylite Corporation's AC Digital In-Wall Timer Switches replace single pole or 3-way light switches to control ultra-low power CFL and LED bulbs, incandescent or fluorescent lighting, fans or appliances from the wall or wired 15-Amp outlets for energy conservation, safety and security. All Swylite in-wall LCD timers operate like a conventional wall switch with a simple flick of the large, manual override switch which has the look and feel of a real switch. These energy saving devices also feature a built-in automatic 10 minute Count-Down Timer, so there is no need to buy multiple

CLK SET
TIME OFF
TIME ON
VARI
MAN / PRGM
AUTO RUN

devices for your home. Made in the USA, the complete line of Swylite energy control products provide long-lasting, trouble-free life and are backed by full product warranty. Learn more at www.swylite.com.

SUPERIOR WALLS LOCK IN ENERGY SAVINGS

For new construction projects, money-conscious homeowners should consider selecting steel-reinforced concrete wall foundations as a way to potentially save up to 50 percent of total heat loss in a home.

"Homeowners should be actively involved in the product decisions that go into their new home construction," says Jim Costello, president of Superior Walls. "Consumers can build value from the bottom up in their new homes by using energy-efficient foundation systems. The steel-reinforced concrete panels created by Superior Walls are matched up in the manufacturing process with DOW Styrofoam boards, which provide excellent rigid foam insulation. The resulting Xi wall panels provide an exceptionally energy-efficient foundation for a home.

"According to the publication 'Native Power—A Handbook on Renewable Energy and Energy Efficiency for Native American Communities,' an uninsulated basement can account for one-third of the total heat loss in a home. This study, funded in part by the Office of Energy Research, U.S. Department of Energy and the Office of Utility Technologies, illustrates the tremendous value homeowners can achieve by

MAASDAM POW'R-PULL®
MAASDAM POW'R LIFT®
Your source for Cable Pullers, Load Binders, Chain Hoists, Jacks, Bottle Jacks, Jack Stands & Floor Jacks
MAASDAM® POW'R PULL & MAASDAM® POW'R PULL
A division of Pull'R Holding Company, LLC
1000 Greenleaf Avenue • Elk Grove Village, IL, 60007
Phone: 888-797-7855 • Fax: 847-228-6021
©2010 Pull'R Holding Company, LLC • www.maasdam.com
Maasdam — The Original.
Often Imitated...Never Duplicated™

shunning unheated basements and crawlspaces in favor of installing energy-efficient foundation panels."

Superior Walls insulated precast concrete wall systems have earned the Green Approved Product designation by the NAHB Research Center. At Superior Walls, Xi wall panels are constructed with a concrete face shell, backed by 2-1/2-inches of DOW extruded polystyrene insulation. In addition, the steel reinforced concrete walls create a permanent barrier against sidewall water penetration, making the home damp-proof. Learn more at www.superiorwalls.com. **EHT**

Kitchens • Foyers • Bathroom Floors
Tub Enclosures • Shower Stalls • Fireplaces

Don't replace your tile floor when you can restore it to **LIKE NEW!**

GROUT SHIELD
COLOR SEAL
GROUT SHIELD
TILE & GROUT DEEP CLEANER
GROUT SHIELD
COLOR SEAL

All-In-One Grout Color Sealer To Revitalize Your Floor's Surface:

An environmentally friendly tile and grout cleaner is applied to the grout lines and worked into the pores to loosen the embedded dirt.

Our proprietary color sealant is then brushed into the empty pores of your grout to insure even application.

BEFORE
AFTER

Visit our website for testimonials!

GREAT FOR THE HOMEOWNER, DO-IT-YOURSELFER, AND CONTRACTORS!

1-800-631-0716 www.GroutShields.com

Mold & Mildew Resistant • Over 300 Colors Available
Custom Colors Available Too!

ipé decking
beauty, strength and durability...
...naturally

The full line of ipé decking, Cable Rail™ systems, Deckorators™ products and Aurora Deck Lighting are all available directly at Bristol Valley Hardwoods.
(or ask your architect or contractor to contact us)

Bristol Valley Hardwoods
800-724-0132
Visit our website at www.bristolvalley.com

For a free sample package of our ipé woods mention code 107.*
*shipping additional

Superior Indoor Air Quality In *Every Room*

Hi-Velocity Systems™

Small Duct High Velocity Heating, Cooling and IAQ Systems

- Quick and Easy Installation
- Modular Fan Coil Units
- Energy Smart Variable Frequency Drive Motors
- Insulated Small Diameter Flexible Ducts
- Residential, Multifamily, Retrofit, Commercial
- Save up to 50% on operating costs!

Many Attractive Vent Plates Available:

By Energy Saving PRODUCTS LTD

www.hi-velocity.com

Call 1-888-652-2219 for a Distributor near you!!

Building a Loft Guardrail

ON GUARD

If you want to know if there's a loft in a building (be it a barn, house or condo), just follow a kid. Kids just love loft areas, which is all the more reason to make them safe.

Lofts can be very cool design features that add interest to interiors and take advantage of otherwise wasted space. A loft is often created where you have a structure within a structure, the most common being a large open room with a vaulted ceiling adjacent to an interior space that has a lower flat ceiling, which creates the floor for the loft.

Any time you have elevated floor space to an open area below, you need to have either a half-wall or a guardrail for fall protection.

A project we worked on recently made clever use of extra space in a deep garage by carving out a room. This included a loft space where the floor of the loft was built partially over the room's closet and partly into the garage area, allowing the front end of a car to fit underneath the loft floor.

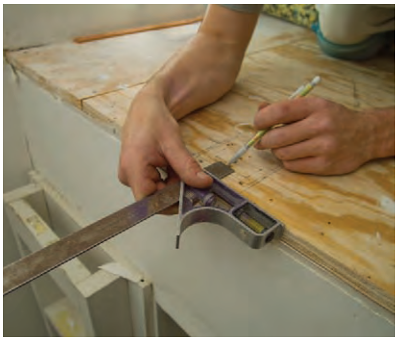
As is often the case with a loft, the guardrail presents a challenge where the rail height is interrupted by the rake of the ceiling coming down to meet it. You may also run into the challenge, as we did, of finding a way to anchor the rail into a ceiling where there are no rafters lining up with the rail.

We'll cover the most important components of building a guardrail (anchoring the newel post, setting the rail height, anchoring the rail, and setting baluster spacing). In addition, I want you to see how we added backing behind the drywall and how we continued the rail down the rake of the ceiling so the balusters could be securely anchored to the top and bottom.

By Larry Walton

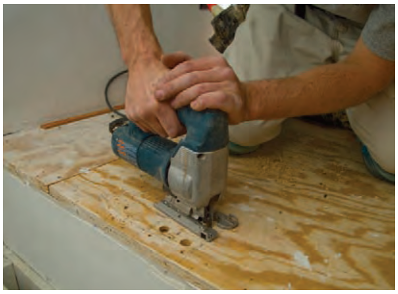
SHAPING THE NEWEL POST

After you have determined the location of your newel post, you need to think about the best way to get it firmly anchored into the framing of your particular project. Very often in a loft situation, the newel post will be anchored on top of, or very near to, the rim joist that supports the open front of the loft area. It was the rim joist that was the target framing member to which we wanted to anchor our newel post.



After determining the location of the newel post, trace the outside of the newel and mark where the rim joist should be.

Usually you will have a little leeway in setting the newel post. Check the floor fasteners to tell which direction the floor joists run, whether the floor joists of the loft area run perpendicular to a rim joist on the front, or if the rim joist at the opening of the loft area is the last in a series of parallel floor joists. In any case, try to set your newel post in such a way that it is next to, but not directly on top of, a floor joist that runs perpendicular to the rim joist. In other words, you are looking for some open space underneath the floor boards



Determine the location of the floor opening for the newel post tenon. Drill the corners with a spade bit and cut out the floor boards with a jigsaw.

Classy Corners

We don't cut corners... We **define** them.

Until recently, corner blocks have typically been lathed to match the baseboard profile or had a radius surface with a decorative top.

Classy Corners has broken the mold and introduced many different patented designs. From simplistic to elegant, our products will compliment any décor. Our corner blocks are manufactured from hardwood and individually hand finished and inspected. The high quality finished surfaces are blemish free and ready for paint or stain. Several lengths are available to accommodate most common baseboard heights.

- Variety of sizes & shapes
- Custom Orders
- Quality materials
- Unique configurations
- Large inventory ready to ship
- On-Line ordering
- Reliable shipping
- Quality workmanship
- Made in USA
- Satisfaction guaranteed

NEW!
Inserts have been created to accomodate our ellipse configuration which can match the interior door hardware as well as to embellish the interior draperies or wallpaper covering.

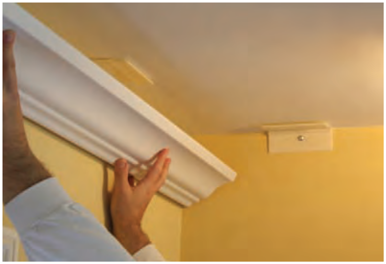
www.classycorners.com
1-888-623-3252 • info@classycorners.com

PRO-FIT
MOULDINGS

FINALLY!

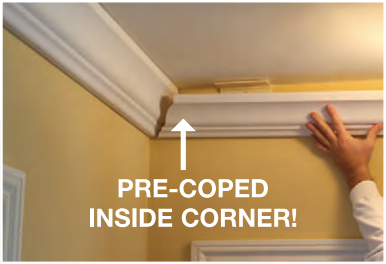
Crown Moulding Made ***EASY!***

Pro-Fit Mouldings is a new and revolutionary crown moulding system that simplifies the installation of crown moulding.



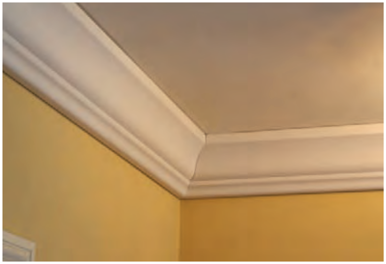
Step 1

Simply attach the L-brackets (normally with 1 screw) approximately every 2-3 feet (no need to find studs).



Step 2

The mouldings are snapped onto the brackets.



Step 3

That's it!

FEATURES AND BENEFITS

- DURABLE AND LIGHT WEIGHT MATERIALS
  (EASY TO SHIP AND HANDLE)
- CAN BE ATTACHED TO ANY SUBSTRATE
  (NO MESSY ADHESIVES)
- MOLDED COMPONENTS THAT FOLLOW THE MOULDING PROFILE
  (NOT OVERSIZED CORNER BLOCKS)
- THE ONLY PRE-COPED CORNERS ON THE MARKET TODAY!
  (INSIDE CORNERS ARE A BREEZE)
- TRUE BULLNOSE CROWN MOULDING CORNERS
- NO NAILS
  (NO NAIL HOLES TO PREP)
- NO MOISTURE OR HUMIDITY ISSUES ASSOCIATED WITH WOOD OR M.D.F. MATERIALS.
- UP TO 18 FOOT LENGTHS

. . . AND THE LIST GOES ON

<<CHECK OUT OUR E-Z CROWN MOULDING KITS

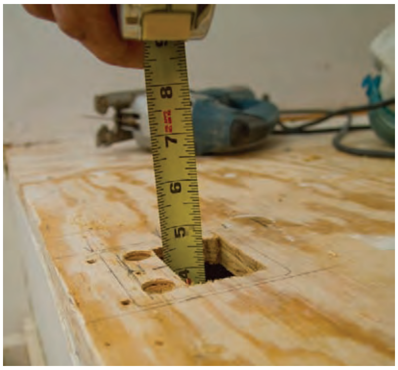
Kits for 12x12 or 16x16 ft. rooms that include everything you need to perform your installation. All in one convenient box. It doesn't get any easier!

MADE IN THE USA

888-977-3926 www.pro-fitmouldings.com

Spexco LLC. 1219 Flynn Rd. #206 Camarillo, Ca. 93012 / 805-484-8013

where there is no framing member. However, you want to set the newel post at a distance away from the outside of the opening so there is enough newel post penetrating down through the floor boards that can be anchored into the rim joist.



Measure how much newel post will be able to sink below the floor.

We usually try to set the newel post as close as we can to the open front of the loft. Keep in mind the thickness of the drywall that covers up the side of the rim joist. You can cut some of the newel post away so part of it penetrates down through the floor.

We also cut a shoulder all the way around the newel post, which gave the bottom of the newel post a tenon that went into the opening in the floor.

Once we determined the size of the tenon, we marked out a rectangular opening to be cut into the floor boards. We then drilled each corner for the hole in the floor with a spade bit and cut out the hole with a jigsaw. After we had the opening in the floor, we made sure that there

Determine where to cut the height of the newel post by starting at the point where the top of the guardrail will intersect the newel post and from there, coming down 37 inches, determine the guardrail height without carpet. And to that, add the amount of newel post that will extend below the floor into the floor joist framing system.

Aerosol Spraying Made Easier!
INTRODUCING
CAN GUN 1 Spray Can Tool
NRHA PACKAGING AND MERCHANDISING AWARDS Silver Award Winner
EXCLUSIVE FEATURES:
- E-Z Pull FullGrip™ Trigger
- Up To 8X Easier To Spray*
- Easy To Use With Gloves
- Fits ALL Spray Cans! ▸ Reusable
- Made In USA ▸ Recycled Plastic
- Suggested List $3.99 ea.

Avail. At: Ace Hardware • SKU# 1390657
Lee Valley Tools • P.N.# 27K0690
Tractor Supply • SKU# 1038713
Call Now
800.743.0115
BUY WITH TOTAL CONFIDENCE
up to 8X EASIER TO SPRAY
*than other products in this category.
Patent Pending - U.S. Design Pat. # D592,953
©2010 SafeWorld™ Int'l., Inc. info@cangun1.com cangun1.com

STORAGE WITH STYLE!
Garage Storage / Tool Chests
Organization Cabinets / Wall Cabinets
Custom Cabinets & More!
Mention Extreme How-To for a 10% discount on any purchase from Moduline.
(For a limited time only. Can not be combined with any other offer from Moduline.)
For More Information Call
Toll Free: 888-343-4463
www.modulinegarage.com
MODULINE®
MODULAR ALUMINUM CABINETS

A miter saw is used to cut the newel post to length.

were no wires or pipes or anything interfering. We then removed the insulation and measured how much newel post we could put below the floor. We also added to this amount the thickness of the trim board we wanted to put along the front of the loft to both support the shoe rail and to give the carpeting in the loft area a place to terminate. To this number, we added the height of our rail.

We also considered how much reveal was needed to the top of the newel post from the top of the rail. In some cases, you will have an ornamental newel post and you need to determine the point where you want the top of the rail to tie in to the newel post. Go from there to the height of your rail—usually 37 inches for residential applications—which allows one inch for carpet and pad, and puts your rail height at 36 inches.

After we cut the newel post to length, we marked where we wanted to make the shoulder cut of the tenon that would extend below the floor. We then used a table saw with the blade set to cut approximately 3/8-inch deep and cut all the way around the newel. This first cut gave us the

A table saw outfitted with a sliding bevel guide was used to cut a kerf all the way around the newel post at the elevation where the trim board meets the newel post.

Retractable. Easy. Fast. Safe.

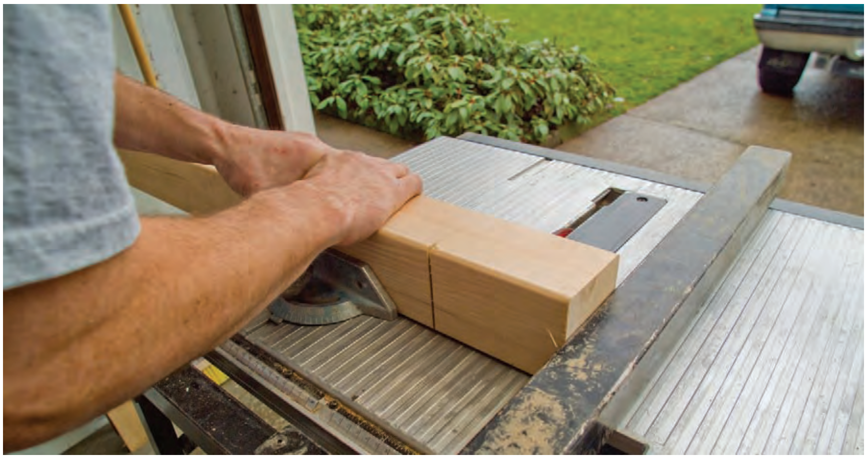
QUICKLOADER
NEXT GENERATION TIE DOWN

Ask for Quickloader at your local automotive or hardware store.
www.quickloader.com/usa

Wessel Industries LLC • 5 Westchester Plaza • Elmsford, NY 10523 • Tel 914 - 909 - 5285 • Toll-free 1 - 866 - 997 - 2824 • www.wesselindustries.com • info@wesselindustries.com

shoulder we wanted on the newel post to hide the opening in the top of the trim board.

We then positioned the newel post slightly off center over the opening in the floor and marked the width of the opening on to the newel post in both directions. Next, we used a Speed Square to extend these layout marks up to the shoulder cut on the newel and across the bottom of the post, to show where the material needed to be removed so the tenon could penetrate the floor.


Any time you do a crosscut operation on the table saw, make sure to use the miter gauge.

We extended the table saw blade all the way up to the maximum cut depth and used a framing square to mark where the blade disappears below the deck of the table saw. We did this so that when we made the rips to take the extra material away from our tenon, we didn't extend the saw kerf up into the above-floor-area of the newel post.

Next, we set the table saw fence to make the tenon cuts, being careful to stop each time the shoulder cut on the newel reached the edge-of-blade mark on the table saw surface. After making the vertical cuts for the newel tenon, a miter saw carefully extended our shoulder

Shade Sails
Shade Sails LLC
Visit us at:
www.shadesails.com
Ready made and custom
---Order On-line or call (562) 945-9952

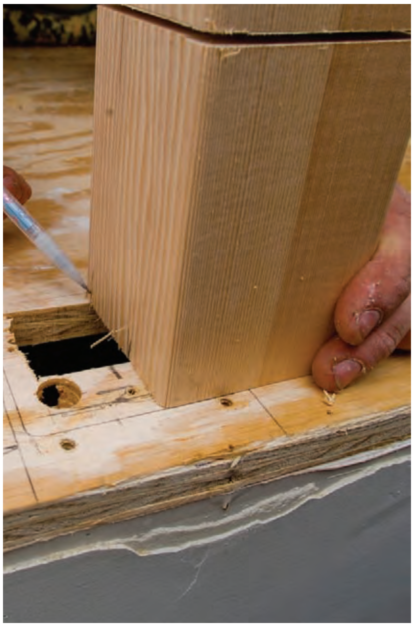
ENJOY
SOFT WATER
WITHOUT SALTS
OR CHEMICALS
SAVE ENERGY AND MONEY!
Water King USA
CALL TODAY 800-808-1974
www.WaterKingUSA.com

SIDEARM
Siding Installation Tool
SideArm tools allow anyone to install fiber cement siding and other lap siding very quickly and efficiently. It provides the helping hand needed to mount professional – quality siding with ease and accuracy.
Not only is SideArm quick and easy to use, but its high–impact plastic construction allows it to be stored in tool boxes without worries of damage.
The simple design gives you the secret weapon you need to achieve great results with all of your siding projects.
- Hands Free Installation
- Gap Free Installation
- Lower Material Cost
- Lower Installation Cost
- Highly Durable
- Installs Any Length of Siding
- High Impact Plastic will not Mark or Damage Siding
- Made from Recycled Materials and is Recyclable
- Made in the USA
www.siding-tool.com • 906 483-4630

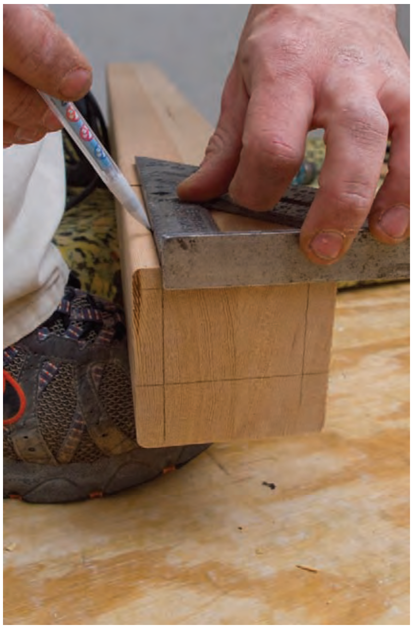
cuts down to meet the tenon.

We used a wood chisel to pop the extra material off of the tenon and to clean up the areas that the saw blades couldn't reach. These steps were repeated to remove the slabs off each side of the newel until only the desired tenon was left. We then checked that the newel would both fit in the hole and that the depth of penetration left the desired room for the trim board, which would go across the opening of the loft.

The next step was to cut and fit the trim board that would create the border for the loft floor area, and make a hole that matched the hole in the subfloor. We put the trim board in place, leaving it loose, and tested the newel post to make sure



Position the newel post over the hole to mark the size of the tenon on the bottom of the post.



Extend the layout lines for the newel tenon across the bottom of the post and up to the shoulder cut.

#1
IN
ROOF &
DRIVEWAY
COATINGS
Black Jack
SINCE 1913
WWW.ROOF-COATINGS.COM
WWW.DRIVEWAY-COATINGS.COM
BLACK JACK IS AVAILABLE AT
LOWE'S
True Value
ACE
AND OTHER BUILDING MATERIALS DISTRIBUTORS

We usually mark the portions of material that we want to remove with an "X".

Mark a line on the table saw where the blade disappears below the surface. This helps to keep from cutting into the exposed portion of the newel post.

it would go through both the trim board and subfloor.

ANCHORING THE NEWEL POST

With the border trim board in place and the tenon cut on the newel, we positioned the newel post and fastened it by running screws through the rim joist and into the newel tenon. Once the post was securely anchored to the rim joist, we used cedar shims to tighten the border trim board up to the shoulder on the newel post.

INSTALLING THE HANDRAIL

We used a level to transfer the top-of-the-guardrail mark on the newel post over to where the guardrail would meet the

ALUMINUM TRIPOD LADDERS

The Stokes tripod ladders have become the orchardists' and landscapers' standard. They are available in sizes from 5 to 16 feet in one-foot increments. Strong, structural aluminum along with expert workmanship and stringent quality control go into the manufacture of every ladder.

FEATURES

- Full 3" stepping with non-skid design
- Extra strong extruded side rail
- Solid aircraft rivets throughout
- Bright red "no higher" safety reminder step
- Formed angle braces for added strength
- Anodized shoulder pad for comfort at balance point
- Sturdy 3rd leg unit pivots on wear-proof steel bushings
- Heavy-duty 3/16" pivot bracket on 3rd leg
- Wide base for stability
- Reinforced bottom steps for greater strength
- Optional telescoping 3rd leg and hard surface kit available (shown in picture)

VISIT US ONLINE AT
www.stokesladders.com

STOKES LADDERS

GLADIATOR®
GARAGEWORKS
BY WHIRLPOOL CORPORATION

SOMETIMES IT'S GOOD TO BE A TOOL

New Gladiator® Tool Storage solutions keep your tools protected and right where you need them. Stack the chests to create the ultimate home for the most trusted items in your garage—your tools. But why stop there? Deck out your entire garage with the complete line of Gladiator® GarageWorks products, including our entire selection of Tool Storage options. Visit **GladiatorGarageWorks.com** or call 1-866-342-4089.

Now available at

Sears
Life. Well spent.

GET
2" DRYWALLS
6-2x4x10
STAIN
DOG CHOW
GLADIATOR

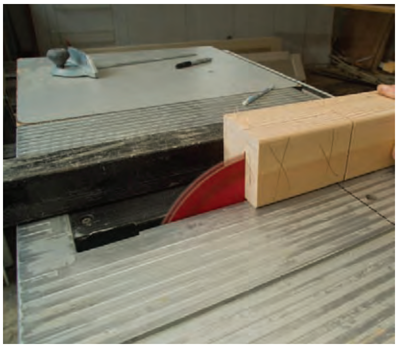
SEARS and the logo are registered trademarks of Sears Brands, LLC. ®Registered trademark/™Trademark of Whirlpool, U.S.A. ©2010 Whirlpool Corporation. All rights reserved. WPG10093

IT'S TIME TO RETHINK THE GARAGE.®

rake of the ceiling. We also used a level in the plumb position to extend the location of the outside of the trim board up to the ceiling. This mark was used to determine the location of the center of the guardrail.

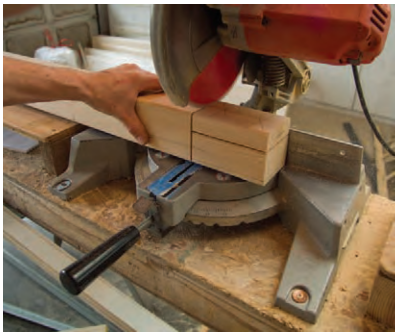
After determining where the guardrail met the ceiling, we cut an opening in the ceiling drywall and inserted a backer board on top of the drywall. (If you are lucky, your handrail will already line up with a framing member inside the ceiling. But in our case, it was a void with only insulation behind it so we needed to put in a backer piece.) We used drywall screws to hold the backer in position above and below the opening we had cut in the ceiling.

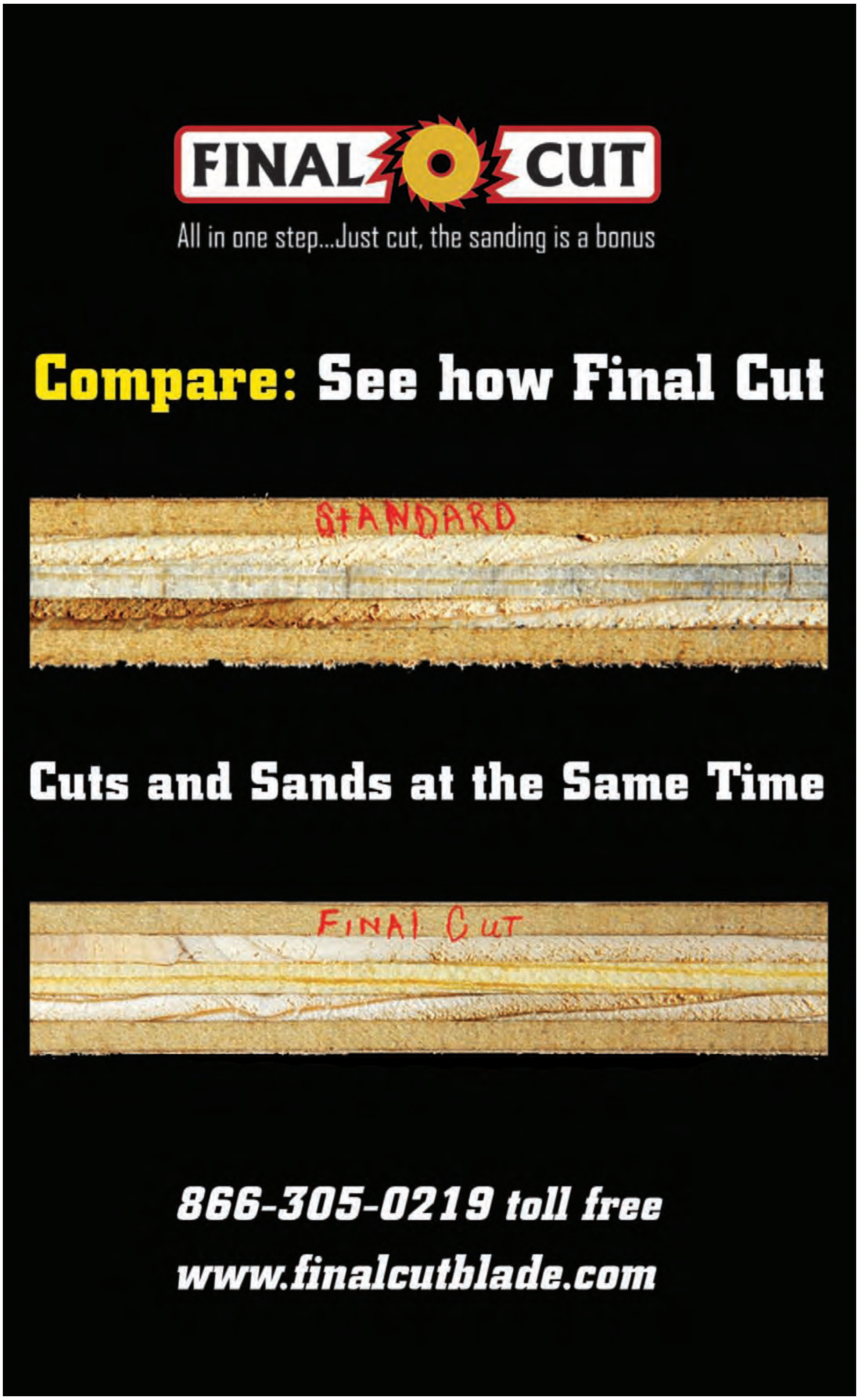
We then put the same piece of drywall that we had removed from the ceiling back into the opening and fastened it with drywall screws. Before moving on to the rail installation, we started the drywall patch, because this is easier to do with no rail to interfere. The drywall patch requires

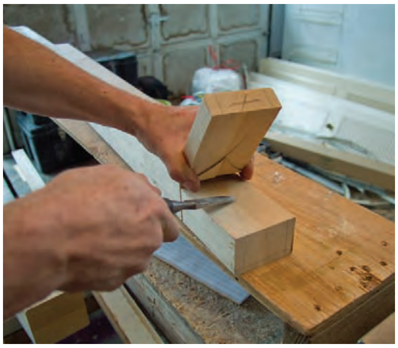


Use the table saw fence to determine the side-to-side location, and use the line on the table saw surface to determine the length of the cuts.

A 10-inch miter saw was used to carefully extend the horizontal shoulder cuts down to the vertical tenon cuts.

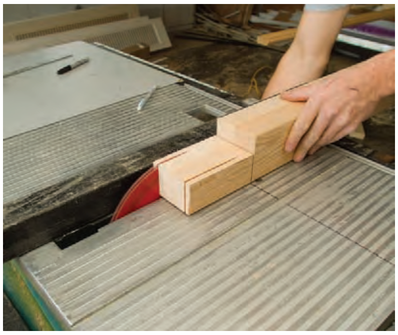



FINAL CUT
All in one step...Just cut, the sanding is a bonus
Compare: See how Final Cut
Cuts and Sands at the Same Time
866-305-0219 toll free
www.finalcutblade.com



Use a wood chisel to snap the slabs off the side of the tenons and to finish cleaning up the cuts.

Repeat the process of using the table saw to remove extra material around the tenon; being careful each time to stop the cut at the mark on the table saw surface.



some seam tape and drywall compound applied with a drywall knife. We planned to apply the final texture and the paint touch-up after the rail was in place.

Next, we installed the shoe rail, which was a fairly straightforward process of measuring the distance between the exterior wall and the newel post, cutting the rail, centering it on the newel post, and then matching the reveal on the trim board at the other end.

We started the guardrail installation by measuring how much rail we would have in the level section between the newel post and where it met the ceiling—and how much rail we would need to cover the distance from the point where the guardrail met the ceiling down to where the rake of the ceiling met the vertical exterior wall. With these two dimensions in mind, we divided our rail up so there was extra length on each of those two pieces of guardrail.

We then took the section of guardrail that was going to fit

Take Your Projects to the Next Level

Whether you're a weekend woodworker looking to expand the scope of your projects, a serious do-it-yourselfer or a skilled craftsperson ready to turn your passion into a business, ShopBot has an affordable, American-made CNC fabrication system to meet your needs. Our PRSstandard CNC system gives you the performance necessary to take your designs to the next level, while our PRSalpha offers professional-grade speed, power and accuracy at an affordable price.

To get you up and running as quickly as possible, we offer training at our headquarters or in your shop. And, with some of the best technical support in the industry and a worldwide peer network, help is never more than a phone call or a mouse click away.

Call or visit us online today, and let ShopBot build you a CNC system ready to meet your needs at a cost that won't break your budget.

PRSstandard BT32 Buddy

ShopBot®
What will you make today?

888-680-4466
shopbottools.com
twitter.com/shopbot

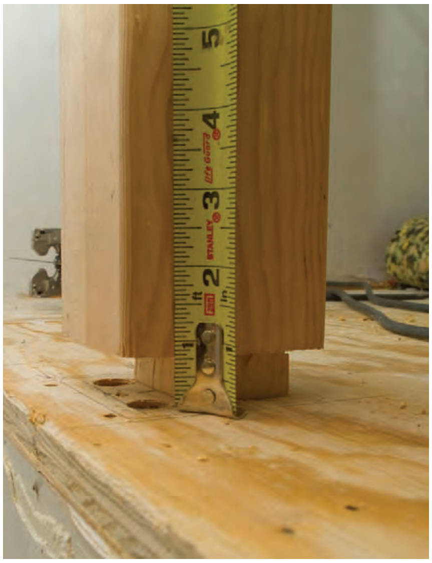
along the rake of the ceiling out to the table saw where we cut off the top radius of the guardrail. We used a coupl ofe scrap pieces of framing material and a torpedo level to test and adjust the angles where the level guardrail met the rake of the ceiling to get the correct angle cuts on the end of the rail. We also used a sliding T-bevel to match the angle where the vertical exterior wall met the rake of the ceiling, so we could cut the correct angle on that end of the now flat top-rail section. After cutting and checking the angle at the low end of the ceiling rake rail, we positioned and marked it where the top of the guardrail met the ceiling.

We anchored the ceiling rake rail with long drywall screws up through the plow in the rail and into the backing piece in the ceiling on the upper end, and into the top plate of the exterior wall on the lower end.

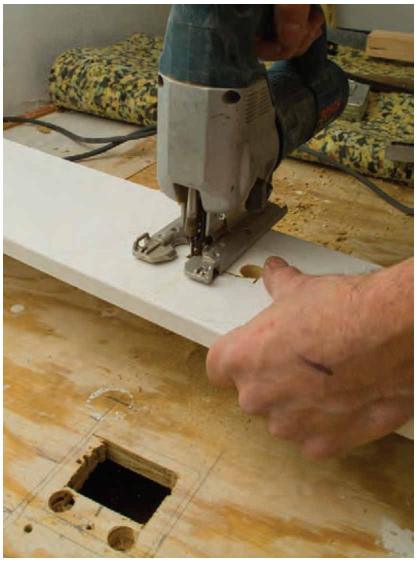
With the ceiling rake rail in position, we adjusted the level guardrail to it until the bottom profiles lined up and the angle was correct. Then we marked and cut the newel end of the guardrail and fastened it into position.

INSTALLING THE BALUSTERS

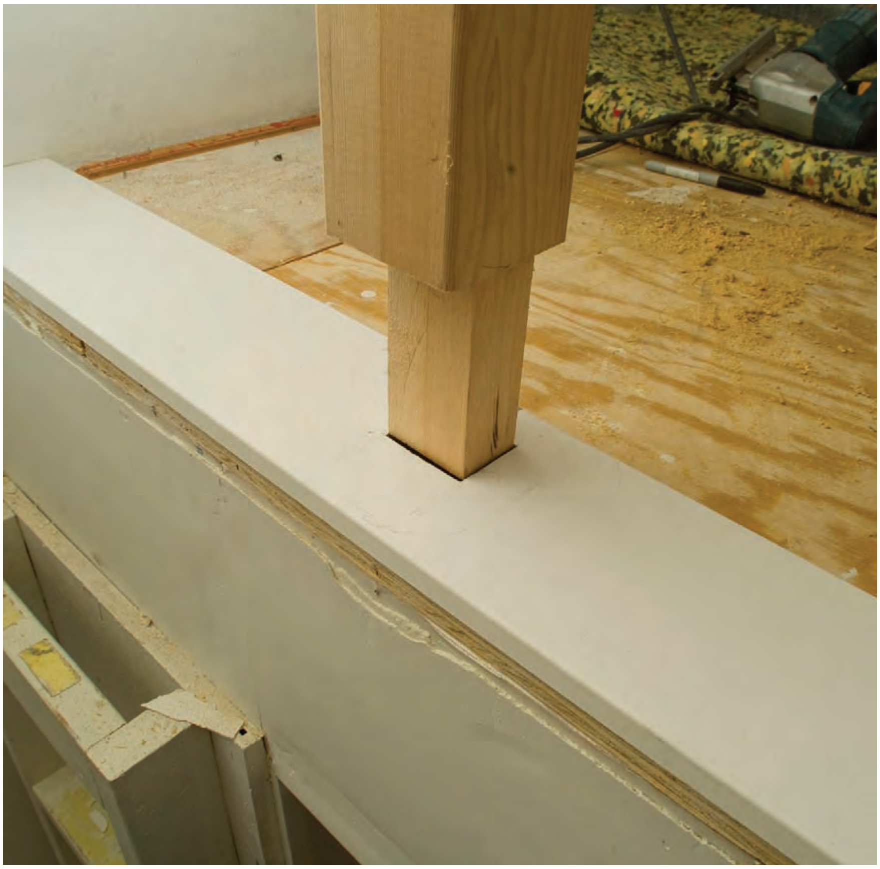
With the newel post firmly anchored and the guardrail installed, we measured from the bottom of the plow in the shoe rail to the bottom of the plow in the guardrail to determine our full baluster heights. Baluster layouts for this project were pretty simple because we wanted to have a maximum of 4-inch spacing between the balusters. The balusters were all square so we knew that our



With the newel post tenon now exposed, test its position. We made sure to allow room for the trim board that would be the base for the guardrail system.



After cutting the trim board, which extends the length of the loft, we transferred the marks for, and cut out the opening for, the newel post tenon.



Note that the newel post tenon extends through the trim board and into the floor.

arkè
fontanot

SPIRAL STAIRS AND MODULAR STAIR CASE KITS

AVAILABLE THROUGHOUT THE USA, ARKE SPIRAL AND MODULAR STAIRCASE KITS CAN BE BUILT IN A DAY BY THE AVERAGE DO-IT-YOURSELF HOME ENTHUSIAST.

ARKE MAKES BUYING AND INSTALLING A SPIRAL STAIR CASE EASY WITH THE FOLLOWING KEY FEATURES:

- ALL-IN-ONE COMPLETE UNITS: TREADS, LANDING, BALUSTERS, HANDRAILS, HARDWARE AND ACCESSORIES INCLUDED
- NOTHING TO PAINT, WELD, STAIN OR SEAL
- IN STOCK FOR IMMEDIATE DELIVERY

www.arkestairs.com

When anchoring the newel post through the rim joist and into the newel tenon, keep checking the post for plumb in both directions.

Cedar shims were used underneath the trim board to tighten it to the shoulder on the newel post.

Use a level to transfer the top-of-guardrail mark on the newel post over to the point where the level section of the guardrail intersects the rake of the ceiling.

fillets would be about 3-7/8 inches. It didn't really matter what the last space was to the exterior wall at the short section of the rail, because visually that portion of the rail was so different. This gave us some freedom to begin

Stop Roof Leaks Instantly.

Gardner® Leak Stopper® is the industry-leading rubberized roof patch that stops leaks now.

Enhanced with Penetrex™, Leak Stopper penetrates and bonds for a permanent leak-proof repair. Flexible to prevent cracking, Leak Stopper outlasts other repairs.

Gardner® Leak Stopper® stops leaks fast in both wet and dry conditions.

gardner®

Available at home centers, hardware and building supply centers.

www.gardner-gibson.com

STAIRSIMPLE™

INTERIOR RAIL KITS • COMPONENTS • ACCESSORIES

axxys™

Stair installation made do-it-yourself simple

- Pre-Measured
- Pre-Drilled
- Pivoting
- Easy

Pivoting baluster and rail connectors eliminate complex stair angle calculations and cuts.

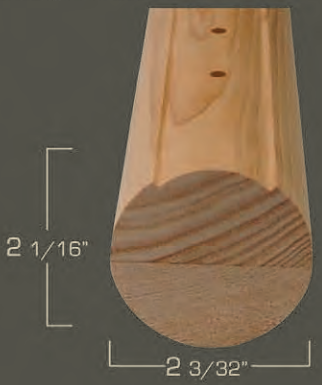
Axxys Handrail Pivot

0°
55°
Axxys™ Handrail Pivot

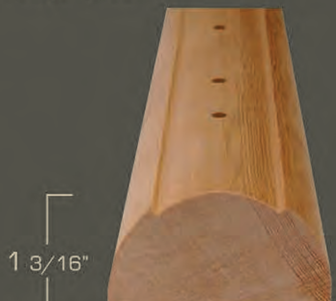
Axxys Baluster Pivot

55°
0°
55°
Axxys™ Baluster Pivot

Axxys Handrail



Axxys Shoerail



STAIRSIMPLE
STAIR RAIL KIT

STAIRSIMPLE™

INTERIOR RAIL KITS • COMPONENTS • ACCESSORIES

www.stairsimple.com

The Axxys trademark and patented design technology are protected by international patents and are manufactured and sold under license by BW Creative Wood Industries Ltd Tel: 1.800.667.8247

the baluster layouts from the newel post, working toward the exterior wall. It was easy to determine the approximate number of full-height balusters we would need, so we set a stop at the miter saw and cut multiples.

We also cut multiple fillets, being careful to check the first baluster next to the newel post to make sure it was plumb (theoretically, it should be if your newel post is plumb). We then installed the balusters by first gluing and nailing in an upper and lower fillet, then gluing and nailing in a baluster against the fillets and repeating the process until the level section of the guardrail was done.

To complete the rake section of the rail, we continued to put the square cut fillets in the bottom plow and positioned the balusters in those bottom fillets, which were a little extra long. We extended them up past the ceiling rake section of rail and moved the baluster into a plumb position using a level. We could then trace the side of the rail

A level held on the face of the loft floor projects the edge of the loft up to the ceiling.

To install backing in drywall, we always cut a big enough access hole to maneuver the size of the backer board needed into position.

BBB RELIABILITY PROGRAM BBBOnLine
METAL ROOFING WHOLESALERS LLC
QUALITY METAL ROOFING / SIDING PRODUCTS
www.metalroofingwholesalers.com
Toll Free 1-877-646-6382
www.MetalRoofingWholesalers.com
We Sell Direct & Deliver Nationwide
Quality Metal Roofing Products
The Long Term Solution
All Types of Metal Roofing
~ Metal Slate & Shakes ~ Standing Seams ~Spanish Tile ~
~ 3' Wide 5 Rib Panels ~ R & PBR Panels ~
~ Residential ~ Commercial ~
Call Our Professional Sales Staff For A Free Estimate, Or Advice on all Your Metal Roofing Needs...
ENERGY STAR PARTNER
Great Prices & Great Customer Service
Toll Free 1-877-646- 6382
ROOFING THAT LASTS

The drywall patch for the backing access hole should include seam tape and drywall joint compound.

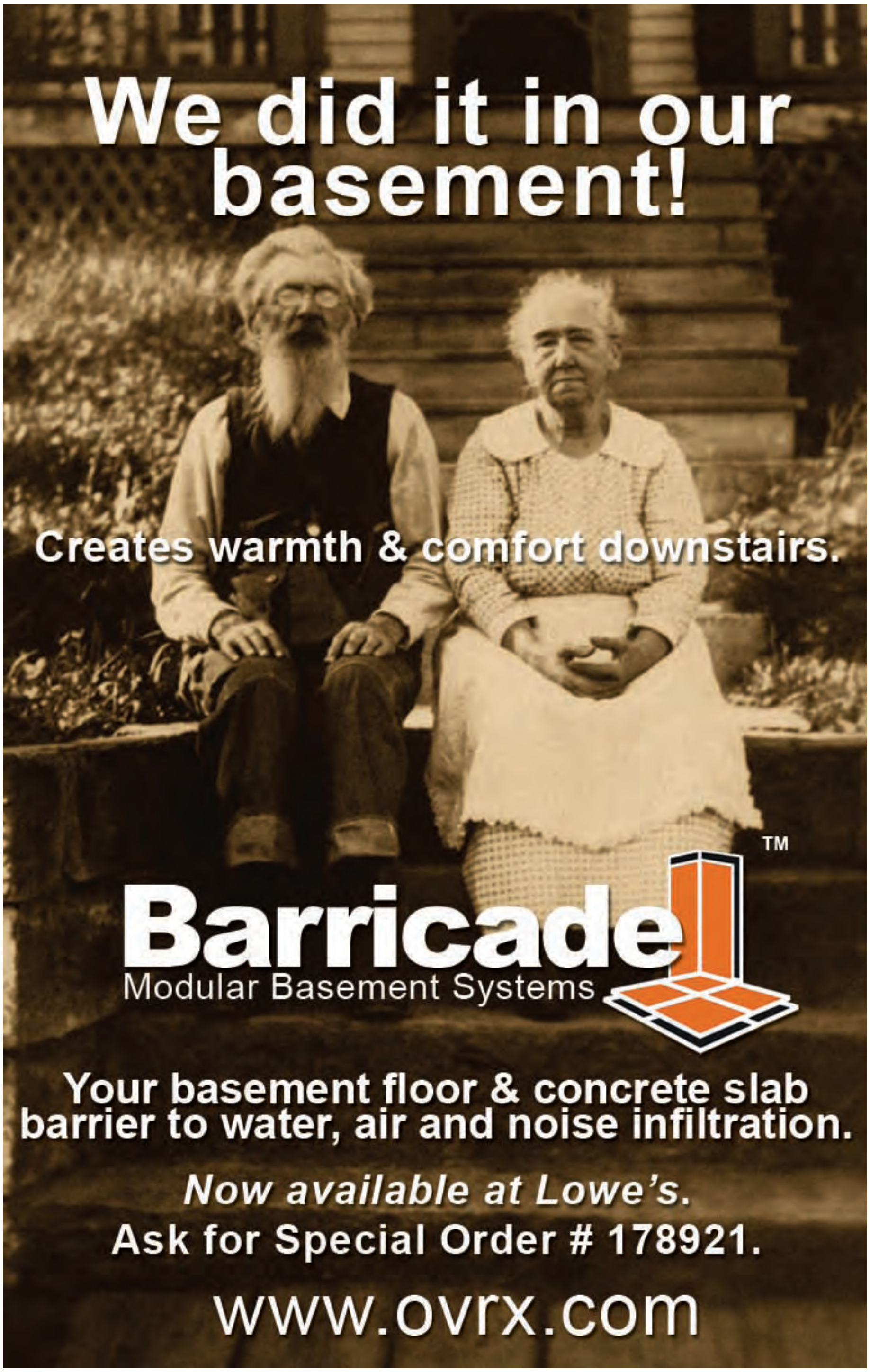
You can hold on to the backer board with one hand, while fastening it to the drywall with the other.

Once the backer board is anchored in place on both sides of the drywall opening, you can put the same piece of drywall back into position.

It's a good idea to begin your drywall patch before fastening the guardrail to the ceiling. This is an easier process with the rail out of the way.

onto the baluster, cut it, try it and fit it until it was the right length to be in position and plumb.

At each of these rake sections we glued and nailed the balusters but left the fillets out at the top. Then, we positioned the fillets and marked and cut them at the angle we had determined



We did it in our basement!

Creates warmth & comfort downstairs.

Barricade™
Modular Basement Systems

Your basement floor & concrete slab barrier to water, air and noise infiltration.

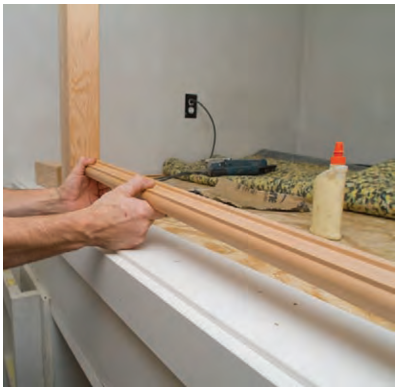
Now available at Lowe's.
Ask for Special Order # 178921.

www.ovrx.com

earlier. We finished the rail system by gluing and nailing the top fillets into position.

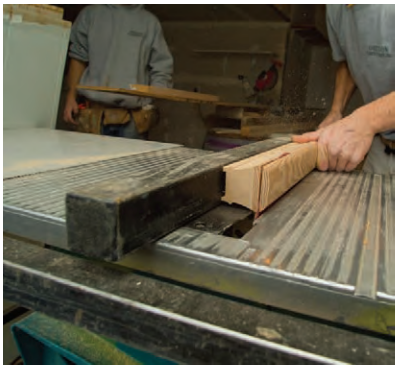
The homeowners wanted a paint-grade rail system, so the painters caulked all of the connections between the fillets and the shoe rail, the fillets and the handrail, and where the rails met the newel posts. We did some masking around the guardrail where the rail system met the ceiling so we could retexture the drywall patch where we put our backing board inside the ceiling.

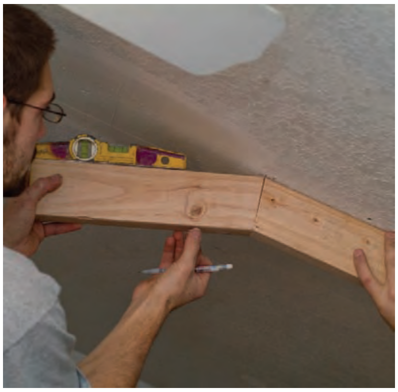
When it was all done, it was a cool looking guardrail that matched the décor of the house. It is currently helping to keep the loft-seeking kids that live there safer. **EHT**



We used a plowed shoe rail, which we installed from the newel post to the exterior wall.

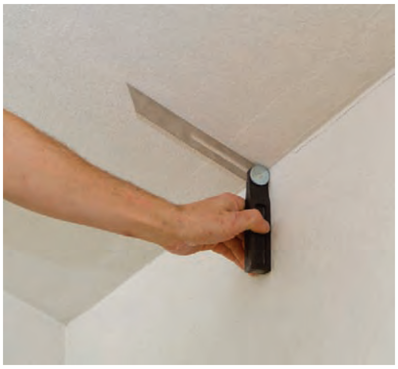
For the section of guardrail which was fastened to the ceiling rake, we removed the top radius from the rail with the table saw.

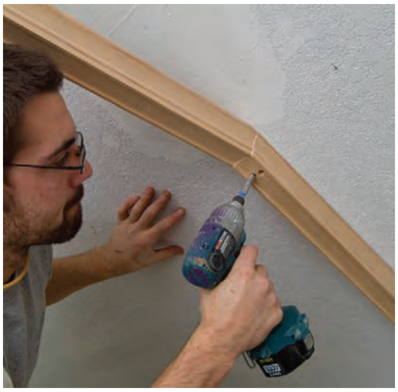




Use scrap material and a torpedo level to determine the angles where the level guardrail meets the rake guardrail.

A sliding T-bevel can determine the angle where the exterior wall meets the ceiling rake.





We anchored the ceiling rake section of guardrail to our newly installed backer board by running drywall screws up through the plowed section of the guardrail.

Use carpenter's glue at all of the joints.

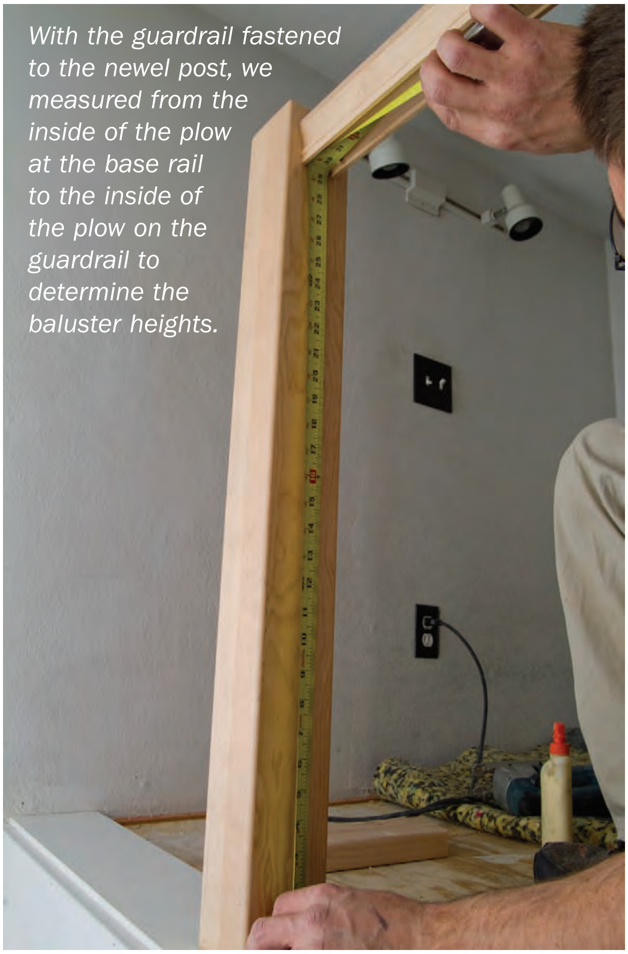
ALTERNATE ANCHORS

Sometimes it's impossible to find a newel post location that is not completely filled up by floor framing. In this case, you'll need to use a different type of newel fastening system.

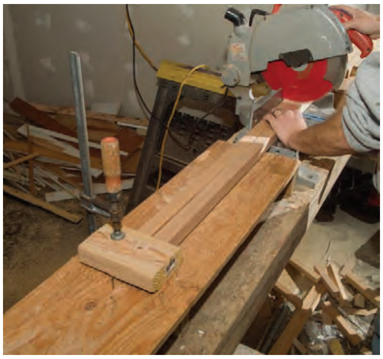
While there are several on the market, my favorite is the Sure-Tite Fastener by L.J. Smith (www.ljsmith.net), which employs a large lag bolt that screws down into the floor framing and extends up inside the newel post.

The 10-3/4-inch lag bolt has wood threads on the bottom and bolt threads on top. The installer must cut a 1-1/2-inch hole through the side of the newel to access the top of the bolt where a special washer and standard nut can be tightened with a wrench. A tapered wood plug, which comes with the kit, fills the access hole.

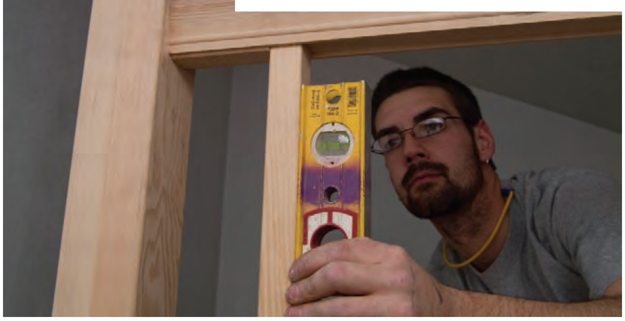
While it's preferable to drop a newel into a joist bay, this is the next best bet for a flat-on-the-floor installation. Other situations (at a landing, on the end of a knee wall, on a rake wall) require different methods. Just make sure you get the post very solidly installed.



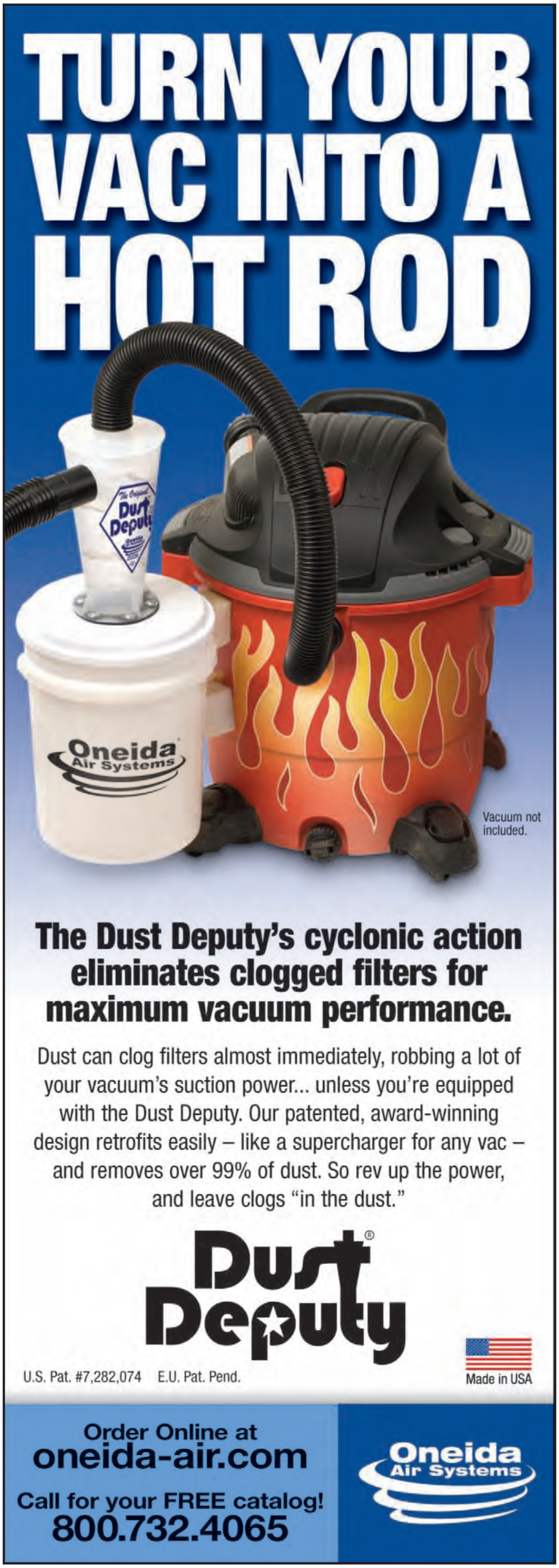
With the guardrail fastened to the newel post, we measured from the inside of the plow at the base rail to the inside of the plow on the guardrail to determine the baluster heights.



Save time cutting the balusters for the level section of the guardrail by setting a stop on the miter saw wing boards.



During the process of setting the balusters, it's important to check every 3rd or 4th baluster to make sure that everything is staying plumb.



TURN YOUR VAC INTO A HOT ROD

The Dust Deputy's cyclonic action eliminates clogged filters for maximum vacuum performance.

Dust can clog filters almost immediately, robbing a lot of your vacuum's suction power... unless you're equipped with the Dust Deputy. Our patented, award-winning design retrofits easily – like a supercharger for any vac – and removes over 99% of dust. So rev up the power, and leave clogs "in the dust."

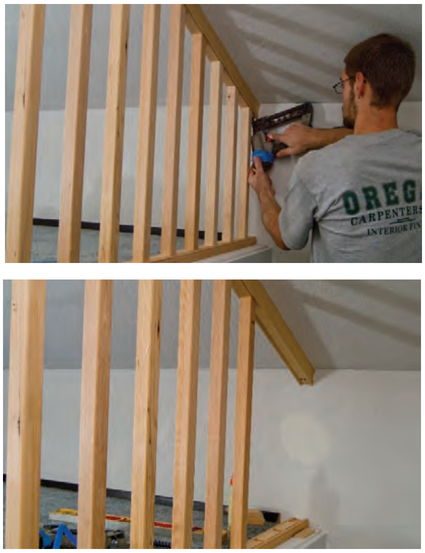
Dust Deputy®

U.S. Pat. #7,282,074 E.U. Pat. Pend.

Made in USA

Order Online at
oneida-air.com
Call for your FREE catalog!
800.732.4065

Oneida Air Systems



To make the baluster cuts on the rake section, we continued to use the same size square cut fillets in the shoe rail while standing the balusters in position and marking them at the guardrail.

When we were starting our baluster layouts, we decided that the spacing between the final baluster and the exterior wall was not that important, as long as it was not larger than the code maximum of 4 inches.

The finished guardrail helps to make a fun and safe play area for the kids.

FLOW® wall system

LAUNDRY SPORTS LAWN & GARDEN OFFICE

Turn empty walls into clean, functional and organized space!

www.flowwall.com
877.356.9925
info@flowwall.com

Dealer Opportunities Available

A full line of Hooks and Accessories get your stuff off the floor and neatly organized on the wall!

HARBOR FREIGHT TOOLS

Quality Tools at Ridiculously Low Prices

FACTORY DIRECT TO YOU!

How does Harbor Freight Tools sell high quality tools at such ridiculously low prices? We buy direct from the factories who also supply the major brands and sell direct to you. It's just that simple! Come see for yourself at one of our 330 STORES NATIONWIDE and use this 20% OFF Coupon on any of our 7,000 products. We stock Automotive products, Shop Equipment, Hand Tools, Tarps, Compressors, Air & Power Tools, Material Handling, Woodworking Tools, Welders, Tool Boxes, Outdoor Equipment, Generators, and much more.

NOBODY BEATS OUR QUALITY, SERVICE AND PRICE!

- √ We Have 10 Million Satisfied Customers
- √ We Buy Factory Direct and Pass the SAVINGS on to YOU!
- √ Shop & Compare Our Quality Brands Against Other National Brands
- √ Thousands of People Switch to Harbor Freight Tools Every Day!
- √ NO HASSLE RETURN POLICY √ Family Owned & Operated

LIFETIME WARRANTY ON ALL HAND TOOLS!

We Will Beat Any Competitor's Price Within 1 Year Of Purchase!

330 STORES NATIONWIDE
Store Locator: 1-800-657-8001

Shop Online at **HarborFreight.com**

SUPER COUPON!

20% OFF

ANY SINGLE ITEM!

Use this coupon to save 20% on any one single item purchased when you shop at a Harbor Freight Tools store. Cannot be used with any other discount or coupon. One coupon per customer. Coupon not valid on any of the following - prior purchases, gift cards, or extended service plans. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store in order to receive the offer. All Campbell Hausfeld products are excluded from this offer. Valid through 10/29/10.

92428861

Get More Coupons at HarborFreight.com/Extreme

SUPER COUPON!

12" SLIDING COMPOUND MITER SAW WITH LASER GUIDE

CHICAGO Electric Power Tools

LOT NO. 98194

$109.99

REG. PRICE $199.99

SAW BLADE INCLUDED

SAVE $90

DANGER

98304199

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

CENTRAL PNEUMATIC®

3 GALLON 100 PSI OILLESS PANCAKE AIR COMPRESSOR

LOT NO. 95275

$39.99 REG. PRICE $74.99

SAVE 46%

67094060

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

CENTRAL MACHINERY

2 HP INDUSTRIAL 5 MICRON DUST COLLECTOR

LOT NO. 97869

SAVE $110

$139.99

REG. PRICE $249.99

70084751

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

60" SOLID OAK WORKBENCH

Windsor Design®

Tools sold separately.

LOT NO. 93454

$129.99

REG. PRICE $199.99

SAVE $70

72172505

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

CENTRAL MACHINERY

4" x 36" BELT/ 6" DISC SANDER

LOT NO. 93981/97181

Item 93981 shown

SAVE $50

$49.99

REG. PRICE $99.99

78904075

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

CHICAGO Electric Power Tools

MULTIFUNCTION POWER TOOL

LOT NO. 67256

$34.99

REG. PRICE $59.99

SAVE 41%

SANDING

SCRAPE CONCRETE

17 DIFFERENT ATTACHMENTS AVAILABLE IN OUR STORES!

CUT METAL

CUT DRYWALL

CUT PLASTIC

PLUNGE CUTTING

CUT FLOORING

99632770

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

12" RATCHET BAR CLAMP/ SPREADER

LOT NO. 46807

SAVE 71%

$1.99 REG. PRICE $6.99

27128990

HARBOR FREIGHT TOOLS - LIMIT 4

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

SUPER COUPON!

18 GAUGE COMBINATION NAILER/STAPLER KIT

CENTRAL PNEUMATIC® CONTRACTOR SERIES

LOT NO. 97525/ 40115

Item 97525 shown

REG. PRICE $34.99

WE CARRY A FULL LINE OF FASTENERS!

$14.99

SAVE 57%

88923560

HARBOR FREIGHT TOOLS - LIMIT 1

This valuable coupon is good anywhere you shop Harbor Freight Tools. Coupon not valid on prior purchases. Coupon cannot be bought, sold, or transferred. Original coupon must be presented in store, with your catalog order form or entered online in order to receive the offer. Valid through 10/29/10.

Visit HarborFreight.com We're Rolling Back Prices Now!

MAKING THE FRONT POR

RCH FRIENDLY AGAIN

By Mark Clement

Using the newest synthetic moldings and shingles—and tried and true techniques—to revive an old friend

I'm lucky to live in a town built in the Mayberry-esque architectural style of the friendly front porch. Of course, that means the town, and its porches, are about a century old and in desperate need of reviving. And by "reviving" I mean remodeling from the ground up.

The first step in a successful porch remodel is being aware before you start that there are probably hidden problems. Expect the unexpected—from structure to flashing to that gaggle of cable wire stitched to the sidewall—all of which can slow things down. If the railing is cast iron, the first thing I do is peel up the escutcheon and see if the steel is in tact.

Working on old houses is often an exercise in fits and starts: The leg bone connected to the … shoulder bone? This is why I try to control what I can, so I can be ready for all the stuff I can't.

I make sure my tools are in order before I start, which includes setting up everything from the main tools like a miter saw and figuring out the ladder situation to making sure I have consumables on hand for the oddball stuff. For example, I know on a job like this I'm going to use my angle grinder for everything from stripping paint (need a wire wheel) to cutting in flashing (masonry wheel) to sanding wood (wood sanding discs).

MAKING THE FRONT PORCH FRIENDLY AGAIN

GETTING THERE

Removing and replacing soffit, fascia, crown and gutters are usually the baseline requirements for sprucing up anything a century old. And this requires getting to them.

Unlike most jobs, however, porch heights manage to be between a 6-foot step ladder and an extension ladder. And, since you can't trap the work behind ladder rails, the ladders can't touch the actual work. Pipe staging or pump jacks would be ideal but they're expensive.

For this job I used Werner LeveLok ladders and plank brackets. To reach the porch ceiling I used step-ladders and a rolling Werner rolling scaffold.

DEMOLITION

The first power tool I reach for—and one of the last I put away—is a reciprocating saw. In old houses, there's a constant supply of blocks, nails and rotten wood. Because the saw is always out, I want it to consume as little space as possible. Ridgid's compact Fuego is becoming my mainframe demolition recip saw for this reason—and for its rockin' power.

I demolished this porch before the new lead-paint regulations became available. If I had to drape this project with plastic I'd still be working on it—and it wouldn't have done anything except raise operating costs. Check with your local building official. You need a permit for this, anyway.

Using a halo of drop-cloths on the ground kind of works to capture flakes, but only so much. And, I have to shake out that cloth on-site anyway. The Worx TriVac leaf vacuum was great sucking up and bagging chips that got into the grass.

A demolition bar also helps. The duck-billed head on Stanley's FUBAR III plunges mercilessly behind claddings, ideal for stripping bead-board, or practically anything else.

MATERIALS LIST

Despite making measured drawings of the molding assembly to be replaced, the measurements on this porch were very close to nominal sizes. I know

A plan is the key to the kingdom. Before starting, thoroughly inspect the structure. For cast iron railings, for example, I pry up the escutcheon to check for decay.

Part of having a plan in place means protecting what's not going to be trashed, in this case the brand new Simonton windows. I sheet them with OSB before starting demolition.

Everything from cast-iron railings to old time molding may be covered in lead paint. Check with code officials for proper removal.

from experience that lots of dimensions don't translate between existing and new. There's a reveal you miss or wish you could deliver, but the beam sagged (and the fascia sagged with it), and the new boards are too straight to cover. Maybe the spring angle on the old crown doesn't match the new one by a few degrees. Or, all of the above. Up-sizing means ripping, yes, but it's easier to trim than to add. I specify the moldings as close to the existing dimensions and profiles as I can.

As for what the molding is made from, well modern material is a long way from what they had 10 decades ago. This old porch died because no one painted the wood.

To avoid that slow death again—and because I know homeowners increasingly expect their homes to require no maintenance—I specify Fypon PVC 1-by for the fascia, soffit, casing and beadboard. I use Fypon urethane for the crown. Both materials deliver excellent performance, workability and durability.

Per Fypon's recommendations, I glued all joints with urethane-based OSI polyurethane adhesive, effectively fusing the

Keeps Paint Out.
Keeps Lines Sharp.™

FrogTape® is the only tape treated with PaintBlock® Technology. PaintBlock forms a micro-barrier that seals the edges of the tape, preventing paint bleed. Visit **FrogTape.com** to see PaintBlock in action, get painting tips and more!

FrogTape.com

PATENTED FROGTAPE® Keeps Paint Out. Keeps Lines Sharp.

877-FROGTAPE
877-376-4827
©ShurTech Brands, LLC 2010/42050

PATENTED
FROGTAPE
Pro Painter's Tape
The ONLY Tape Treated With: PAINTBLOCK
• Seals tape edges
Without PaintBlock
MULTI-SURFACE
0.94 in x 60 yds

GET RID OF YOUR GUTTERS!

RAINHANDLER

Self-Cleans.
Unique louver design allows leaves and debris to blow or wash away.

Protects Property.
The Rainhandler self-cleaning system eliminates clogged, over-flowing gutters and downspouts. No ground erosion. No more destructive ice dams from frozen gutters.

Protects You.
The Rainhandler self-cleaning system protects you from climbing ladders and roofs.

Prevents Erosion.
Runoff is converted to a 2 to 3 foot wide band of soft rain-sized droplets.

Maintenance-Free.
All-aluminum Rainhandler louvers make messy, leaking gutters history.

Guarantees.
Money-back satisfaction guaranteed for one full year. 25-year warranty.

Beautifies.
The Rainhandler system is practically invisible. No gutters, downspouts, leaders or splash blocks to detract from the natural beauty of your home.

Installs Easily.
Each 5-five foot section comes with 3 brackets & 6 screws. Do an entire home in 3 or 4 hours.

For FREE information call or fax
Ph: 800-942-3004, Fax: 800-606-2028
OR write RAINHANDLER DEPT EH0410
2710 North Ave., Bridgeport, CT 06604
www.rainhandler.com/eh
Buy on-line! Enter code EH04 at check out for extra 10% SAVINGS

lengths of material into a single unit after I nailed them with a finish nailer, as you do for typical moldings.

Urethane and PVC materials also cut well and take paint wonderfully. Routed edges on the PVC also look “real.” Note: The material ships shrink-wrapped in cardboard boxes. Pros should add a small line item for processing it.

The roofing shingles were also a synthetic product. I spec’ed DaVinci RoofScapes polymer slate tiles (European color blend) for this project. I expected it to look good from the street (it does) but it looks incredible from inside the home (the roof is visible out the second floor windows). This is an enormous design element I honestly didn’t see coming, and it absolutely makes the project. Furthermore, these tiles stand alone on a porch or small structure as a highlight, even if the rest of the structure has different shingles, so in my mind you don’t have to re-roof the whole house for them to work (though the roof on this house is next).

I glue and nail the PVC molding. The nails hold it securely. The adhesive fuses the pieces.

Working alone is the mother of invention. I make site-built jigs and rigs to hold material. A pair of JawHorses and some 2-by T-braces serve as a third hand.

WORK-FLOW—TOOLS AND TABLES

Because a successful porch remodel for me hinges so much on not only having the right tools, but also the ability to access them, I optimize my tool setup. The goal is to minimize time-wasting, either when making cuts or looking for tools or materials.

For cutting operations, infeed and outfeed supports helps with quality work. On a job with this much ripping and crown molding, I need about 30 lineal feet dedicated to cutting and tool storage. But the table saw and miter saw should be within about 6 feet of one another, so I can tarp them at night.

NEW PRODUCT!

Patollie
Space Saving Electrical Adapters
Patented

*Why **Product of the Year**?*

Elegant

Stylish

Simplistic

Saves Space

Visit us at Patollie.com

Sometimes, simply gaining access to porch parts can be the challenge. You need to get up there without touching the work. In this case Werner ladders (I split apart two extension ladders, giving me a total of four ladders) and brackets enabled me to use a walk-board.

The center of operations is a cut table, one side dedicated to the miter saw, the other for the table saw. A trash bucket needs to be close by and an indestructible multi-plug, like the steel Belkin 10-outlet surge protector, should be positioned on a sawhorse leg so I'm not netted up in individual cords.

As for tool and fastener storage—you need all kinds of everything—I store stuff in boxes or bags in a line. Stanley's new Lock and Stock is winning me over as a great storage solution. The "heap-style" used by many other carpenters will work, but poorly.

I installed Fypon urethane and PVC beadboard over the existing framing.

CUSTOM DETAILS WITH STOCK MATERIAL

Where I build, most homes are stucco-clad. So, in addition to nary a straight line due to age, there are no straight lines on the façade to terminate trim. Or—and this is a big one—there's no molding profile available that matches the existing. Or, (there's always another "or" in the old house shuffle), what is available looks horrible.

I find that this problem is easiest solved by fabricating my own casings. I usually do it by building up 1-by. I use my trim router

IceBlox Inc., DBA
SNO BLOX JAX
1 (800) 766 5291
www.ICEJAX.com
Stop Dangerous Snow Slides
Without Snow Guards
With Snow Guards
10 Stock Colors
LEAF BLOX
LeafBlox.com Gutter Leaf Protection
NEW PRODUCT
"RC" "RCT"
ROOF CLAMP.com
Manufactured by Action Manufacturing, LLC.
RoofClamp.com Attach Roof Accessories
VentSaver.com Vent Pipe Protection
SNOW BREAKER.com
NEW PRODUCT
This new product helps minimize the dangers of sliding snow and ice by breaking it up into smaller safer chunks.
SnowBreaker.com Break Up Snow and Ice

Every porch I've done is different and is a personal space. In this case, some old boards found in the house were recycled as trim elements for the interior fascia.

The right tools and careful planning is the key to success. The gaggle of coax (below) took two hours to figure out.

to add beads, coves and chamfers to ease edges and create shadow lines and transitions. For making my corners around doors and windows, butt joints—where possible—are easier to get tight than miter joints. This is a good trick for working with out-of-square openings.

An eye for proportion is key to making form meet function here. The molding's function is to hide gnarly framing. But its form is to add stately style.

STORM DOOR

Upgrading the storm-screen door required a new one in a custom size. I spec'd a Larson Screen-Away model. I could get the right size, and I didn't need to re-build the jamb or mortise hinges all over the place to install it. The color and hardware options matched the paint and existing Simonton windows' driftwood color. Larson also has the new oil-rubbed bronze finish for the hardware, which matches the style in the rest of the home. Oh, and the door creates an excellent seal against weather.

A workstation with infeed and outfeed supports is the center of operations, from ripping on the table saw to cutting crown to routing trim.

SUB CONTRACTORS AND WORKING ALONE

Subs: For me, a veteran old-house electrician is paramount. This job got a new ceiling fan, and dealing with knob-and-tube wiring is not for beginners. A mason who can repair the stucco is also worth his weight in mortar.

Working Alone: Beyond a few subs, however, I often work alone. To make life easier, I find that site-made cleats and jigs gain the day.

I installed a new storm/screen door for the porch.

Note the layers and shadow lines in the molding above the door. I fabbed-up everything on site for this custom look, using PVC 1-by, a router with a cove bit, and a table and miter saw. Going custom solved many problems that could never be covered up with profiles from the lumberyard.

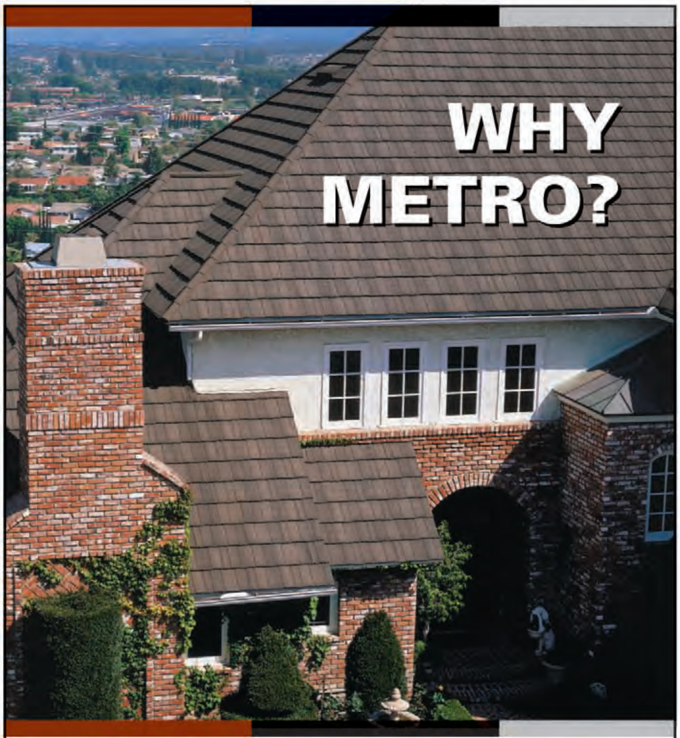
ROOF, GUTTERS, DOWNSPOUTS

At first blush, re-roofing a porch should be on the easier end of things. However, if the porch is old, you may find several things gumming up the works:

- Peel up the shingles to see if the roof deck is skinned with plywood. Then, check to see if the plywood traps the gutter hardware.

- If you want new half-round gutters, then source them at a roofing supply house. Check if the existing gutters are steel or aluminum. Ditto on the new ones. They're both shades of gray—but different shades.

- Metal needs to be bent for new flashing. Sub this to a roofer or remodeler. Or, rent a sheet metal brake. Either way, I trap my last course of shingles under aluminum flashing let into the house's cladding to prevent leaks. DAP eslatomeric caulk seals the metal to the cladding.



BATTEN-LESS BEAUTIFUL BRILLIANT!

METRO SHAKE II. Choose a Metro roof for your next roof project and you'll be glad you did. Metro has you covered from any angle, with Tile, Shake & Shingle profiles as well as innovative stone-coated accessories to finish off your project perfectly.

Every panel is covered by Metro's heavy duty 50-year limited warranty, performance proven & tested around the world to protect against virtually any climate nature can throw at it. Call Today for the local distributor near you or to get a brochure on our products.

Metro Shake – Batten-Less.

Call TOLL FREE (866) METRO 4U (638-7648)

METRO ROOF PRODUCTS
3093 Industry Street
Oceanside CA 92054
Tel: (866) METRO-4U (638-7648)
E-Mail: info@metroroofs.com
www.smartroofs.com

Metro
Roof Products

Smart Roofs for Smart People™

Half-round gutters are not only a nice touch on an old house, but they work better than ogee profiled gutters. Get them from a roofing supply house.

I kerf the stucco, install flashing bent on my sheet metal brake to trap the top course of shingles, and then seal with caulk.

I covered the roof with DaVinci RoofScape polymer slates. The big surprise here wasn't that they looked good, it was how good they looked from inside the house—a great unintended consequence.

As far as the DaVinci RoofScape shingles go, installation was the easiest part of the process. The polymer slates went on smoothly. There was nearly zero waste, too. Plus, they have a 50-year warranty.

PAINT AND CLEAN-UP

I wanted high-gloss paint to really make the molding pop. My Benjamin Moore supplier recommended semi-gloss, because it applies better over larger areas and in rugged environments like direct sunlight. He was right.

Paint with a semi-gloss exterior paint.

When it comes to cleanup, I detest drop-cloths (tripping hazards, miscellaneous headaches, etc.). For those gobs of caulk or urethane or paint that got away from me, the Rockwell SoniCrafter saved the day with its scraper blade. And it cut hours from sanding the Bondo-type filler used on the Fypon nail holes.

It's hours like these that help me concentrate on the important stuff: Building a porch that'll welcome friends for another century. **EHT**

Editor's Note: *Mark Clement is co-host of MyFixitUpLife, a licensed contractor, and author of* The Carpenter's Notebook*.*

Trim Houses.
Not Margins.

TOTAL COST
19%
LESS

Materials	$143
Labor (4.5 hrs.*)	$181
	$324.00

Materials	$220
Labor (1 hr.*)	$44
	$264.00

Out Of The Box and On The House

Why use trim that you have to work for when you can use trim that works for you? Right out of the box, Fypon urethane millwork is ready to install. There is no need to prime, glue or fabricate pieces on the job site, and the quality is always consistent. Fypon trim provides a beautiful look without the hassle, saving you time and money. For all your trim needs, Fypon has you covered from peak to plinth.

** Material and labor costs are based on a field study conducted in June 2009 and represent the average material and labor costs of the participants; figures have been rounded. For complete detailed information regarding the study, visit www.fypon.com.*

FYPON®
It's How You Finish.

www.fypon.com • 800.446.3040

BEAM ME UP

By Matt Weber

Build a freestanding cantilevered deck supported by parallel beams.

Around Alabama, where *EHT* is headquartered, most decks are connected to the side of a house with a ledger board fastened to the rim joist of the house. When done correctly, this is a strong and code-compliant method of building. But, when flashed or fastened incorrectly, this connection can pose potential problems, such as providing a prime location for water to collect against the house wall and ledger board, ultimately contributing to rot.

As an alternative to the ledger, the deck I recently built is a freestanding structure, basically a giant platform built right next to, but not connected to, the house wall. The house in question had two stories with a finished basement on the bottom level. The finished ceiling of the basement prevented access to the interior side of the rim joist. Unless I were to tear out the ceiling, I wouldn't be able to add nuts and washers to through-bolts on the interior side of the rim joist. And, if I couldn't fasten the ledger with through-bolts, then I'd have to use lag screws. Although some heavy-duty lag screws are strong enough to attach ledgers to rim joists, if the wood were to eventually rot, then no matter how strong the lag screws, they could potentially

pull out of the rotted wood. So, I figured that by building a freestanding deck, I could avoid these potential hazards altogether.

THINK BIG

As with every major construction project, always consult local codes, and if you have any questions, consult a building inspector. I pulled a building permit for this job and in doing so became friendly with my local inspector who was a great help suggesting building techniques and keeping this rather large deck code-compliant.

This freestanding deck surface was 40 feet by nearly 12 feet—we're talking about a big platform—but thankfully it wasn't very high, which is a major concern with a freestanding deck. The higher the deck is from the ground, the longer its support posts will need to be and the more likely the deck will be unstable. Thanks to an uphill slope at the rear of the house, the deck surface was only 5 feet high next to the house but closer to 3-1/2 feet on the far end. Building the deck close to the ground helps keeps the "wobble" out of the completed structure.

In lieu of the ledger board, I constructed this as a cantilevered deck where the joists were supported by large two parallel beams (also called girders) running parallel to the house

You've done your homework.
You've got your GAME PLAN and today is GAME DAY.
Don't let an inferior fastener come between you
and the LEGACY of a well-built deck.
GO ÜBERGRADE™- IT'LL BE WORTH IT
GRKFASTENERS™
ÜberGrade™
800/263-0463 - GRKFASTENERS.COM
©2010 GRK Fasteners

Beautiful, versatile, sustainable

western red cedar

Western Red Cedar has unique, natural performance characteristics and exceptional beauty that bring warmth, character and longevity to homes and outdoor living projects around the world. It is this bundle of properties that has made "Cedar" the choice of discerning architects, builders and homeowners.

Western Red Cedar is renowned for its naturally occurring resistance to moisture, decay and insect damage. Its natural durability, dimensional stability and exceptional beauty make it ideal for a wide variety of exterior and interior uses. Western Red Cedar offers enormous versatility in styles and applications. Equally important, it has a low environmental impact relative to other building materials. Western Red Cedar is harvested legally and sustainable from independently certified forests in British Columbia.

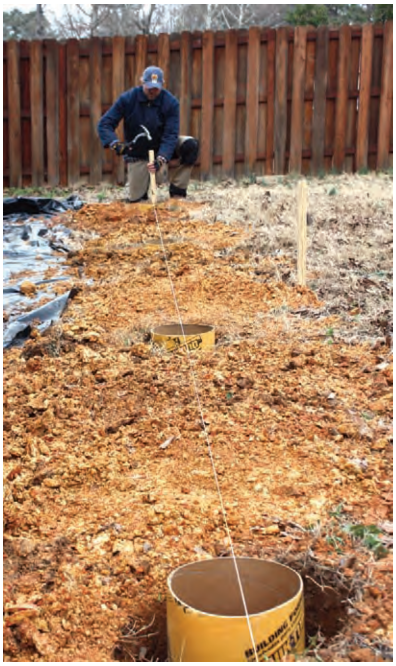
Enhance the beauty of your next outdoor project, build with Western Red Cedar. For more information and suppliers near you, please visit our website.

www.wrcla.org

1.866.778.9096

REAL CEDAR

WRCLA



Stakes and string will help keep your deck layout lined up.

wall. The beams were supported by 6-by-6 support posts J-bolted with post-anchor hardware to concrete pier footings. Whatever you do, don't skimp on materials (i.e. using 4-by-4 posts) when building a freestanding deck. In fact, for this kind of construction it's best to over-build the deck. For example, I constructed each beam from 2-by-10 boards laminated together to form a big, brawny 4-by-10. And, although the span ratings for the beam gave me 8 feet of play between posts, I generally kept the posts no greater than 7-1/2 feet apart for extra support. That rule held true for the distance between the two beams as well, with the two rows of support posts spaced about 7-1/2 feet on center from each other. The bigger, beefier and more closely positioned your framing members are, the stronger your deck will be.

SUPPORT BEAMS

I started construction of the deck by laying out the area with stakes and string. I then ran two new rows of string within the perimeter, staking the location of each support post. I used a powered auger to dig the 2-foot post holes and slid cardboard footing tubes into the holes to retain the concrete. With the tubes in place, I again pulled some more string over each row of post holes, stretching it tightly and staking it on the far ends of each row. These new string lines placed over the footing tubes provided the straight lines

MILESCRAFT®
MILESCRAFT.COM

THE MARKET LEADER IN RIGHT ANGLE & CONFINED SPACE ATTACHMENTS

Drill90
The affordable alternative to right angle drills

OVER 1 MILLION SOLD!

MEMBER TESTED AND RECOMMENDED HANDYMAN CLUB OF AMERICA

Orbiter
Drill or drive at ANY angle

Drive90
Compact and durable

ALSO CHECK OUT OUR NEW StubbyBits
Short drill bits precision ground from one piece of steel - No Weak Welds or Crimps

Brad Point Tip (Wood)
135° Point Tip (Metal/General)
(ACTUAL SIZE)

THE HOME DEPOT · LOWE'S · Do it Best · ACE · MENARDS® · amazon.com · NORTHERN TOOL + EQUIPMENT · WOODCRAFT Helping You Make Wood Work

I needed to center each tube in the hole and backfill around them to secure their alignment and position them parallel to the other row. Keep the openings of the tubes about 2 inches above the ground so they shed water.

Next, I filled the tubes with a few inches of gravel and fast-setting concrete, struck off the tops flush with the rim of the tubes and inserted 8-inch J-bolts into the center of each pier footing. Don't leave the exposed threads of the J-bolts sticking too proudly out of the footings or they won't fit into the post-anchor hardware and you'll have to cut them to size. (Learn from my mistake.)

I used adjustable galvanized post anchors (Simpson Strong-Ties item AB66) to fasten the post over the J-bolts, which keep the wooden posts elevated so they don't absorb standing water. When setting the posts, run some new string to keep things in line, fastening the posts in the hardware square and plumb, with the post faces lining up flush with the string.

Note: Hammering nails through the hardware and into the posts can really knock things "out of whack" in regard to your footings and J-bolts. For this job I used Paslode's new Positive Placement Metal Connector Nailer (www.paslode.com), which is a pneumatic nailer with a special guide tip designed to shoot the nails right into the tiny holes of the Simpson hardware without the imprecise impact of a hammer. This new nail gun made building the deck a heck of a lot easier.

DECK BUILDING TOOLS

POST-POD™
Post Installation Tripod Patent Pending

Cepco Tool COMPANY

It's A One Man, Self-Locking, Board Bending, Tongue & Groove Joining Tool!
HANDS-FREE HOLDING!

BOWRENCH®
Patent # D353,987 & Patent Pending

- NO more TIME CONSUMING bracing!
- NO need for an extra man!
- NO GRIEF!

1. Slip on Joist ....
2. Swing Handle ....
3. LET GO !!!!

• Decks • Docks,
• Flooring • T & G Ceilings/Walls
• Planking • Paneling • T & G Plywood ...

133 Philo Rd. West • 800-466-9626
info@cepcotool.com • www.CEPCOTOOL.com

To cut a 6x6 post, I cut each side with a Skil saw and finish the middle with a reciprocating saw.

I was installing 4-foot 6-by-6's as posts, but they're still tall enough to lean, so brace the posts with scrap lumber as you proceed.

Once the posts of each row were fastened securely, determine where they should be cut to accept the beam. This is a matter of basic math, finding the anticipated height of the deck (in my case, less than an inch below the home's upper-level subfloor) and working downward, subtracting measurements for the thickness of the deck boards, the height of the joists and the height of the beams. I marked the first and last posts of each row at this height and then snapped a chalk line across the other posts to indicate where to cut.

You have a couple of options when it comes to mounting the beams to the posts. You can cut the posts completely through and use galvanized braces to hold the beams on top. Or, you can notch the posts and fasten the beam with a couple of through-bolts at each post. I opted to use the metal Simpson braces, which you can pick up at Lowe's or any number of other hardware stores—Simpson has more or less cornered the market on framing hardware, at least down here in the South (www.strongtie.com).

Note: Cutting the posts is a critical phase of construction. Use a string level, a laser level, or a hand level attached to a very straight board to keep an eye on your cutting heights and

The Right Screw For Your Projects!

Star Drive head handles twice the torque over Phillips or Square Drive

Cutting nibs self countersinks and prevents spinout

Knurls ream hole in board, reducing drag on shank and driving tool

High quality, heat treated, hardened steel

Deep, wide, sharp threads cuts clean, gives maximum holding power

Extra sharp Type 17 notched point starts quickly, with no walking

Visit SCREW-PRODUCTS.com today!

Take the work out of your projects with our "Star Drive" screws. We help make it easy with benefits like reduced camout and end load, twist-off is virtually eliminated, increased bit life, and screws are reuseable.

- Available in Stainless Steel, ACQ Compatible Exterior Use, and Zinc Coated Interior Use
- Composite Fencing, Railing & Fascia Screws
- Heavy Duty Construction & Lags Screws
- Wood to Steel, Cement Board & Masonry
- 1" to 14" Lengths in 1lb, 5lb and Bulk
- Cabinet, Pocket & Finish Screws
- See All Our Decking Products Online!
- The Deck Clip Hidden Deck Fastener
- Tiger Claw Hidden Deck Fastener
- Fencing, Rail & Fascia Screws
- Standard, Finish & Trim Head
- Composite Deck Screws
- Gutter Screws
- Assortment Kits!

Includes Screws, Bits & Holders, Adjustable Case

Same Day Shipping!!

Star Drive!

SCREW PRODUCTS INC.
The Ultimate Wood Screw

See Our Website For Current Specials!

VISA MasterCard DISCOVER

Free Shipping!
On Orders Over $100
In The Continental US

Call or see our site for a free catalog!
Call Us Toll Free
1-888-888-3305

MAZE NAILS
100% made in the USA
FIBER CEMENT LAP SIDING NAILS
PAINTED M-31 OYSTER SHELL
2 HAMMER CAPS PER BOX
5-LB
2 1/2" 8d CEM8 M31

MAZE FIBER CEMENT SIDING NAILS

One of our MANY Proud American Products!

- Available in coils, collated sticks and hand drive
- Available in pre-finished colors to match both CertainTeed ColorMax® and James Hardie Colorplus® Technology
- Available in both double hot-dipped galvanized and stainless steel for ultimate corrosion-resistance
- Engineered for both face and blind nailing applications

JamesHardie
ColorPlus Technology
CertainTeed
ColorMax®
Fiber Cement Finishing System

MAZE NAILS

1.800.435.5949

Division of W. H. Maze Company | Helping to build America since 1848

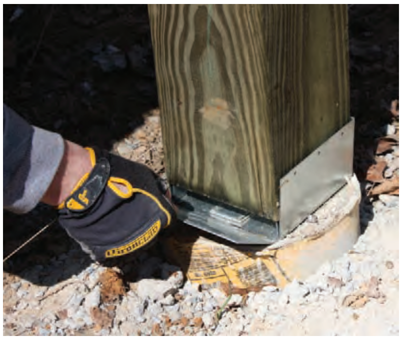
Discover the eco-benefits of our Fiber Cement Siding nails: mazenailedbeinggreen.com/fiberEHT

U.S. GREEN BUILDING COUNCIL LEED USGBC™
SCS CERTIFIED Minimum 80% Recycled Content
it's good to be green®
ECO-NAILS®
100% made in the USA
we've nailed being green.

LEED® and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.

to make sure everything is level from post to post and beam to beam. Every measurement at this point determines the flatness and level surface of your deck.

Additionally, in some cases it may be advisable to engineer a slight slope to the deck that pitches downward away from the house, especially if your decking material is a seamless system which could collect water. However, I was planning to install 2-by-6 treated lumber as deck boards, which naturally shrink as they dry and create plenty of space for drainage between the joints. So, I built a level deck.



I fastened Simpson post anchors to the J-bolts of the pier footings, which keeps the posts elevated above the ground.

Determine the anticipated height of your deck, then measure downward, subtracting the thickness of the decking and the height of the joists and beam. Transfer this measurement to the posts to determine where to cut them to accept the beam.

Next, I installed the beams, one 2-by-10 at a time, using some clamps and scrap lumber as makeshift braces to hold the lumber atop the posts while I made the connections. With at least one end of the board fastened to the metal post hardware, I laminated another

DAMAGED SCREW OR BOLT?
GET IT OUT!

Get the easiest and most effective DAMAGED SCREW AND BOLT REMOVAL tool on earth...

Save time, effort and aggravation! The Grabit®Pro tool lets you remove damaged screws and bolts easier and faster than any other tool available. It's an essential for every toolbox, from weekend warriors to experienced contractors.

FOR INFORMATION
VISIT OUR WEBSITE AT:
WWW.ALDN.COM

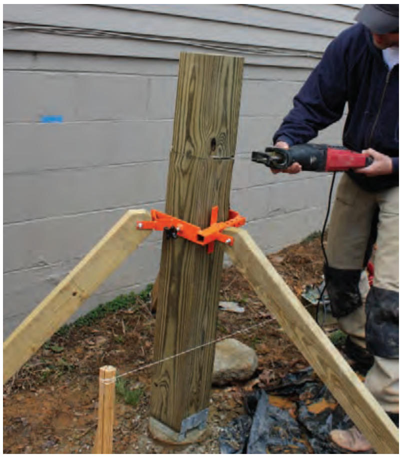
Grabit®Pro
PRO-GRADE DAMAGED SCREW & BOLT REMOVAL

Alden
Superior Removal By Design™

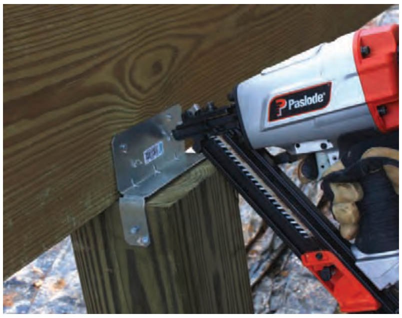
Available at the following retailers:
(participating locations)

board against it using some heavy-duty RSS screws from GRK Fasteners along with plenty of construction adhesive sandwiched between them. Again, I may be over-building here, but I wanted this deck virtually bombproof. RSS screws are really gnarly fasteners, with many times the holding power of nails or regular screws. Once driven, they aren't going to budge. And, if there are any bows or warps in the lumber, the RSS screws are powerful enough to bite the lumber and pull it flush with the mating board. I drove two RSS screws slightly offset every 16 inches along the beams.

With a 40-foot run for each beam, it was necessary to



The Post-Pod from Cepco Tool makes a handy brace when setting and cutting posts.



I installed galvanized hardware at the front and rear of the beam when fastening to the posts.

BIGFOOT TUBE 8"
BFT8

Bigfoot Systems Inc. proudly introduces the "Bigfoot Tube 8" (BFT8) to our product line. It is an 8" tapered cone made of recycled HDPE. The innovative inter-locking design uses 4 individual pieces to form a 4-foot long tube. Safety top keeps dirt, rain, kids, pets, etc. from falling into the tube prior to the pouring of the concrete.

The BFT8 outperforms cardboard tubes – and all others!

The 4-pieces are also nestable, making shipping easy and affordable.

BIGFOOT SYSTEMS® The Original.

1-800-934-0393 info@bigfootsystems.com

www.bigfootsystems.com

DIY Pergola Kits

- Great Weekend Project
- Pre-Cut Kits
- Hardware Included
- Step by Step Instructions
- Multiple Lengths and Widths
- Worldwide Shipping

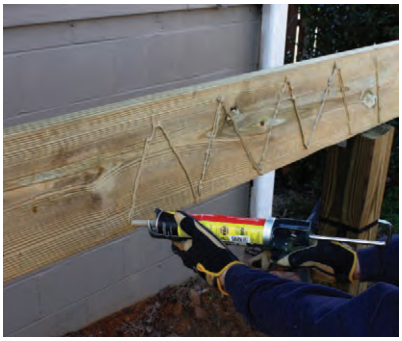
www.GazeboCreations.com
Call: 1-888-293-2339

Custom Designs

GAZEBOCreations.com
Create the Gazebo of your Dreams
Vinyl
Cedar
Treated Pine

splice the boards together. When doing this, always locate the splice over a post to eliminate any weak spots in the beams. I also ran the beams a bit long on each end, with plans to cut them to size later.

Another extra step I took with both the beams and the joists was to flash the tops of the framing members to shed water. This is a commonly overlooked step, but a great way to prevent accumulation of water which can lead to rot and overall weakening of the construction. Plus, application is so easy that it's well worth the extra effort. I used Deck Flash Barrier from Cofair Products (www.cofair.com), which comes in rolls, either 2 or 4 inches wide, which you roll out just like duct tape over the tops of the joists. The product is a self-adhesive asphalt mastic that creates a waterproof membrane and self-seals around screws and nails, blocking a primary pathway for water infiltration into deck joists.



I laminated the beams together using a combination of construction adhesive and RSS screws from GRK Fasteners.

JOIST INSTALLATION

I was building with 2-by-8 joists running perpendicular to the house wall. Use the 3-4-5 rule or a large framing square to make sure you lay out the first joist square to the house. I then measured and marked the location of the following joists on 16-inch centers across the tops of the two beams.

When installing the joists I kept the ends about 3/4-inch away from the house siding to allow plenty of room for drainage and hopefully avoid debris accumulation. To do so I fashioned a simple L-shaped jig from scrap wood that I screwed to the end of each joist during

The Hidden Link
HIDDEN DECK FASTENING SYSTEM
SHADOE TRACK
The Ultimate Deck Fastening System
Mantis
DECK CLIP SYSTEM
You want this...
No More Mushrooms!
NOT this...

Deck Building
SOLUTIONS
The answers for a long lasting, more beautiful deck.

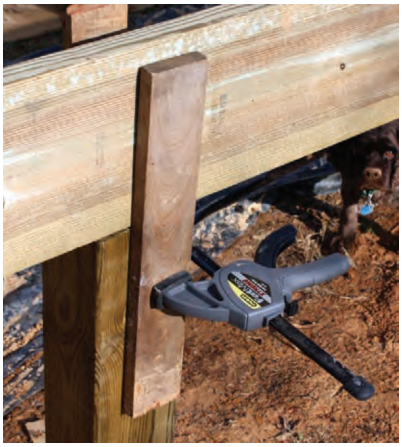
Hidden Deck Fasteners

Composite Deck Screws

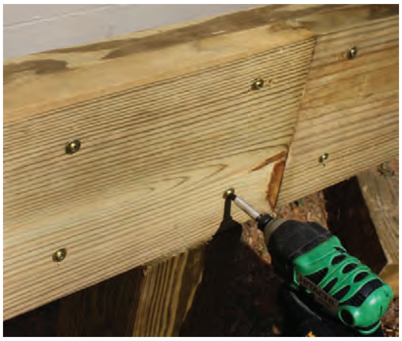
Contact us to see how we can help you increase your profits

Ty-Lan Enterprises Inc.
1570 North Routledge Park
London, ON N6H 5L6
1-800-742-3632
www.bestdeckfasteners.com

Sure Drive U.S.A.
634 Reese Drive
Conover, North Carolina
1-866-767-1850
1-828-468-1088
Fax 1-822-469-1080
www.suredrive.com



I temporarily clamped on a couple of scrap boards to hold the beam on top of the posts while fastening the connections.



When splicing the beam, always locate the splice over a support post.

installation. The jig gave me the consistent joist spacing I needed against the house.

These joists were catilevered, meaning they overhung the beams on each side by roughly 2-1/2 feet. Instead of fastening the ends with joist hangers as with the ledger-board method of construction, the joists were connected over each beam with Simpson Hurricane Ties, which keep them upright and stable in all directions. Again, I ran the 12-foot joists “wild,” snapped a chalk line over the ends after installation was complete, and trimmed them all to a matching length.

RIM SHOT

I capped the exposed ends of the joists with a 2-by-10 rim board, positioned with its upper edge about 1-1/2 inches above the tops of the joists to conceal the thickness of the nominal 2-by boards I was planning to install as the decking. To fight the tendency of the rim joist to twist,

How To Do-It-Yourself Stone Veneer

We have taught hundreds of Home Owners and Contractors how to create professional grade stone veneer.

Do-It-Yourself and Do-It-Better!
Less than $1 per square foot!
Do The Math!

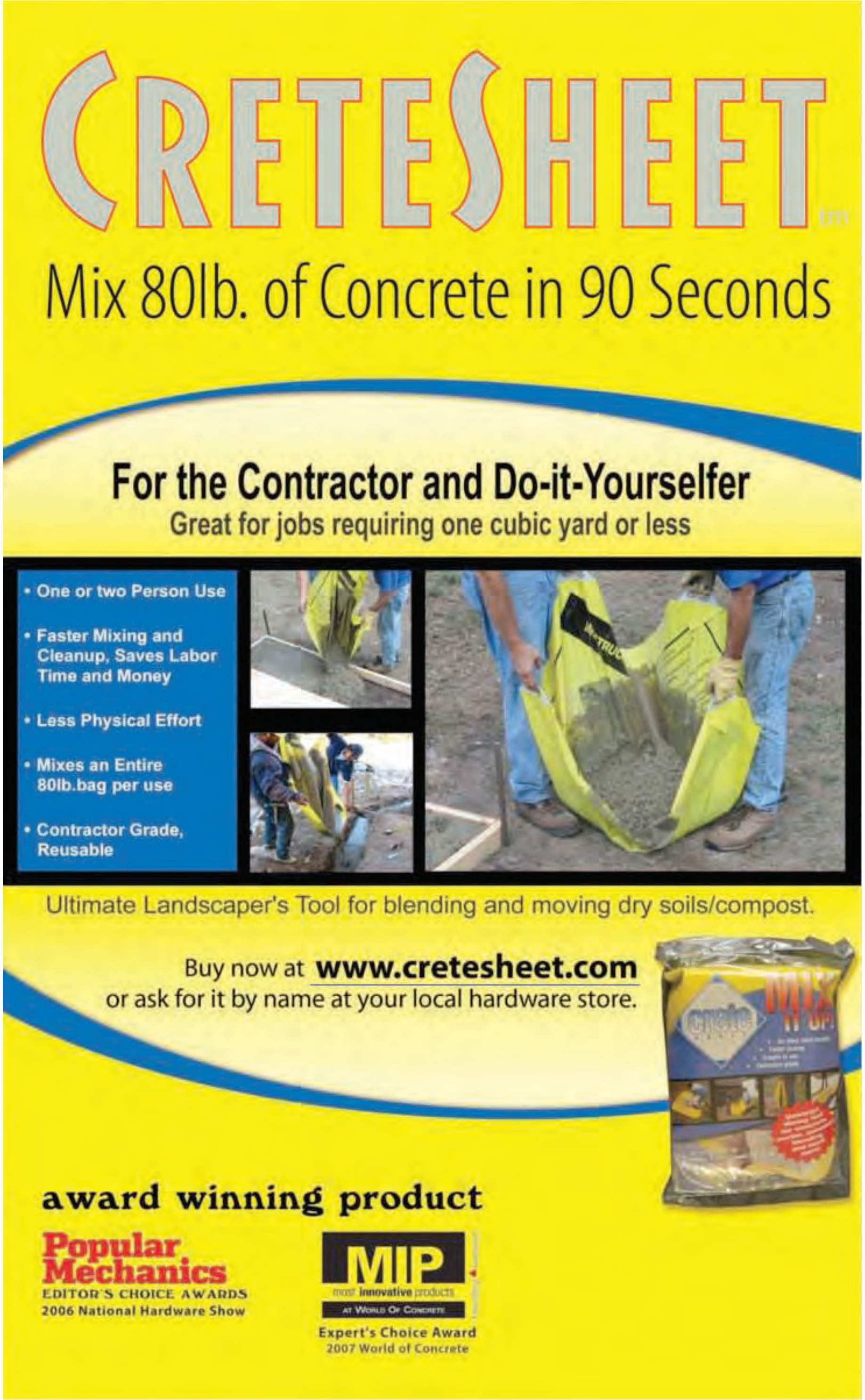
Making stone veneer is easier than making a cake.
Visit our website to view our videos and see for yourself!

Do-It-Yourself
Stone Veneer, Pavers & Architectual Trim

FauxRockMolds.com
702-430-9033

bow or cup, I drove four deck screws through the rim board and into the ends of each joist. (Once the decking was down I would drive a fifth screw through the rim and into the edge of the decking).

I was forced to splice together the rim board as well. Center the splices over a joist, predrill holes for the screws to avoid splitting



CRETESHEET™

Mix 80lb. of Concrete in 90 Seconds

For the Contractor and Do-it-Yourselfer

Great for jobs requiring one cubic yard or less

- One or two Person Use
- Faster Mixing and Cleanup, Saves Labor Time and Money
- Less Physical Effort
- Mixes an Entire 80lb.bag per use
- Contractor Grade, Reusable

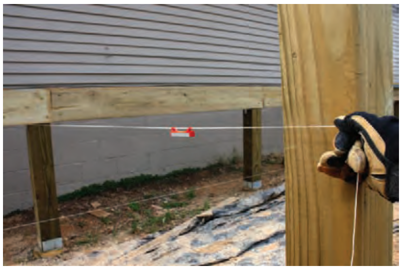
Ultimate Landscaper's Tool for blending and moving dry soils/compost.

Buy now at www.cretesheet.com
or ask for it by name at your local hardware store.

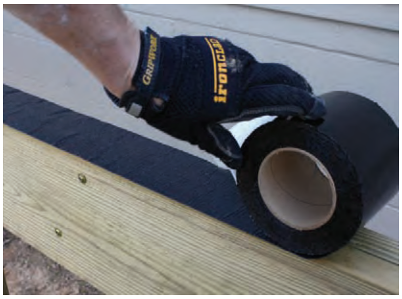
award winning product

Popular Mechanics
EDITOR'S CHOICE AWARDS
2006 National Hardware Show

MIP
most innovative products
AT WORLD OF CONCRETE
Expert's Choice Award
2007 World of Concrete



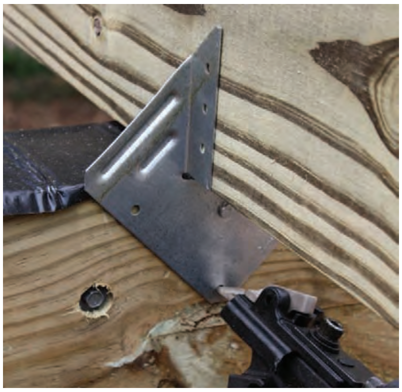
Make sure the heights of your two rows of posts match exactly to ensure a level deck. I started with a string level, as shown here, but grew frustrated with the results and switched to 4-foot level duct-taped to a very straight board.



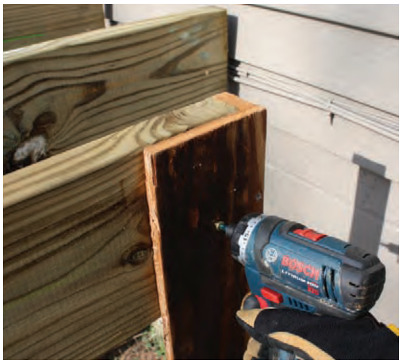
I covered the tops of the beams and joists with Deck Flash Barrier from Cofair Products to shed water and prevent rot.

the wood, and drive the screws into the joist ends at an angle. For a belt-and suspenders approach I also glued the splices in the rim board with construction adhesive.

Note: There are many different ways to build a deck. This design would eventually have similar 2-by-10 boards attached to the sides of the deck as fascia. For this reason, I made sure to leave at least 1-1/2 inch of rim board extending beyond the corners of the deck to conceal the end-grain of the two side-mounted fascia pieces. It always helps to plan ahead.



The joists were connected to the beam with Simpson hurricane ties. Paslode's new Positive Placement Metal Connector Nailer has a special guide tip designed to shoot nails right into the tiny holes of the metal hardware, which greatly simplifies installation.



Shown here is the L-shaped jig I screwed to the ends of the joists during installation to serve as a spacer against the siding.

BRACE FOR IT

At this point I gave my construction a little tug here and there, and I was happy to see it was fairly stable at this point, but not completely satisfactory. For extra stability I ventured beneath the framing to nail in diagonal 2-by-4 bracing from below. The bracing ran from the support

One Cartridge - Infinite Colors!

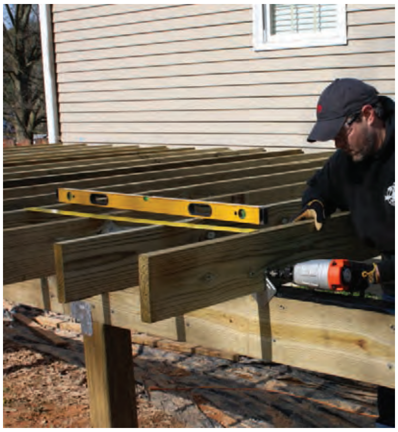
NEW
eXact color
sealant
Interior & Exterior Applications
Your Paint. Your Color

Everything you need for custom color caulking, no special tools required.

For more information contact us at:

Sashco Products That Work 1-800-289-7290 • www.sashco.com

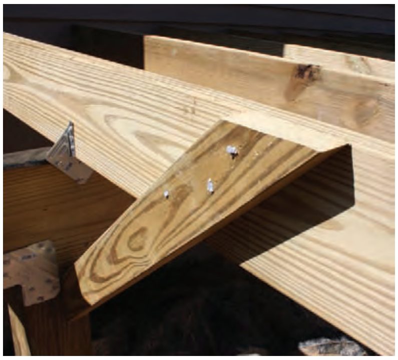
2-10



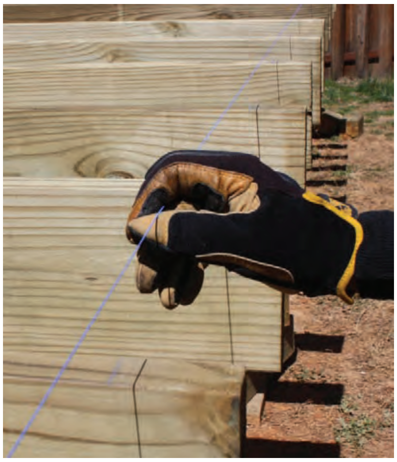
After the joists are installed, add diagonal bracing between the posts and joists to stabilize the deck. Use a recip saw to cut the bracing flush with the tops of the joists.

posts to the joists, and I tacked three or four framing nails at each connection to prevent movement.

Depending on where the posts were located in relation to the joists, I nailed from the side of the posts to the lower edge of the joist, or from the face of the post to the side of the joist. In some cases, the posts fell right between two joists, so I had to add some 2-by-8 blocking between the joists to give the braces a solid place to terminate. It does take some extra work, but you'll be glad you invested it. I was amazed by how sturdy the bracing made the deck frame, knocking out practically any wiggle—and this was before the decking was installed which would tie everything together into a rigid and steadfast structure.



Snap a chalk line across the ends of the joists and cut them to a matching length.



GUARDRAIL POSTS AND DECKING

Before installing the decking I added the 4-by-4 posts that would eventually support my handrail system. I made a mark on each 4-foot post at 36 inches, the length of the post that would extend above the decking surface. I then clamped the posts in position and used a spade bit to predrill two holes through the rim board (or joist, depending on location of the post) and all the way through the

TREATED WOOD, TRIED AND TRUE

Decking comes in all sorts of materials these days, from wood-plastic composites to PVC to aluminum decking. I've installed some beautiful composite decks as well as easy-to-install PVC decks, all with great success. And I'm not taking sides in regard to which material is better or worse, as I think there are advantages to each material, depending on the deck application and the personal taste of the homeowner.

However for this project, I chose Wolmanized Residential Outdoor pressure-treated lumber not only for the framing, but the decking as well. For aesthetic reasons, I wanted the deck to match the natural look of the surrounding wood fence I had built the year before, and I had a plan to use the same tone of wood stain to tie in a uniform color theme to the elements of the backyard. All 2-by-4s (for handrails) and 2-by-6s (for decking) are No. 1 grade southern pine. The 2-by-8s and 2-by-10s, used for joists and beams, are No. 2 grade southern pine. The 4-by-4 and 6-by-6 timbers are specified for ground-contact use, and all the wood was treated with the same preservative, copper azole type C preservative, which is the most common preservative for backyard projects.

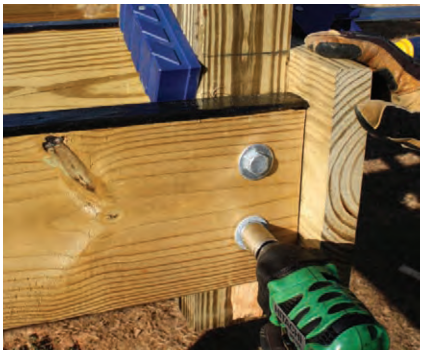
When building your next deck, you'll definitely need to use treated lumber for the framing, but using treated wood as the decking also has big benefits. It offers a genuine natural appearance, it's comfortable underfoot, it's strong and durable, economical to purchase and easy to work with. It's also fairly simple to maintain and serves as a renewable, earth-friendly material. To me, these characteristics meant treated lumber was the right choice for this deck. Learn more about using treated lumber for outdoor projects at www.wolmanized.com.

full 4-by-4 thickness at the bottom of the posts. I then drove galvanized 1/2-inch hex-bolts through the posts and tightened securely with nuts and washers.

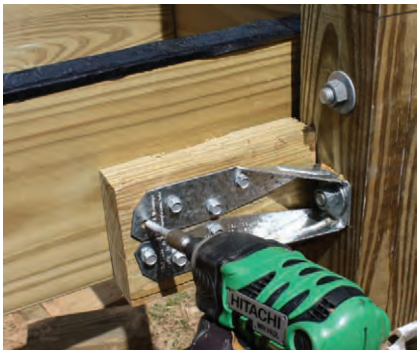
But that's not all. For a truly rock-solid handrail, Simpson Strong-Tie offers a galvanized Post-to-Deck Framing Bracket that not only fastens to one of the two through-bolts, but also connects flush to an adjacent framing member with galvanized screws. To use these brackets I did have to install additional blocking in the locations where the post didn't happen to fall right at the intersection of the rim board and a joist, but it was worth it. Not that I would encourage my younger family members to swing from the handrails like orangutans, but it's bound to happen and these brackets will give me peace of mind.

Finally, I was ready to install the treated 2-by-6 deck boards which would be stained and sealed after a month or two of drying time. Once the floor was down, the interconnection of the bracing, decking, framing and hardware worked together to create a war-ready deck platform that would barely budge at all—just what I was looking for with this freestanding deck. Now, to finish up the handrail system and build some stairs for access, which you can read about in a future issue of *Extreme How-To*. **EHT**

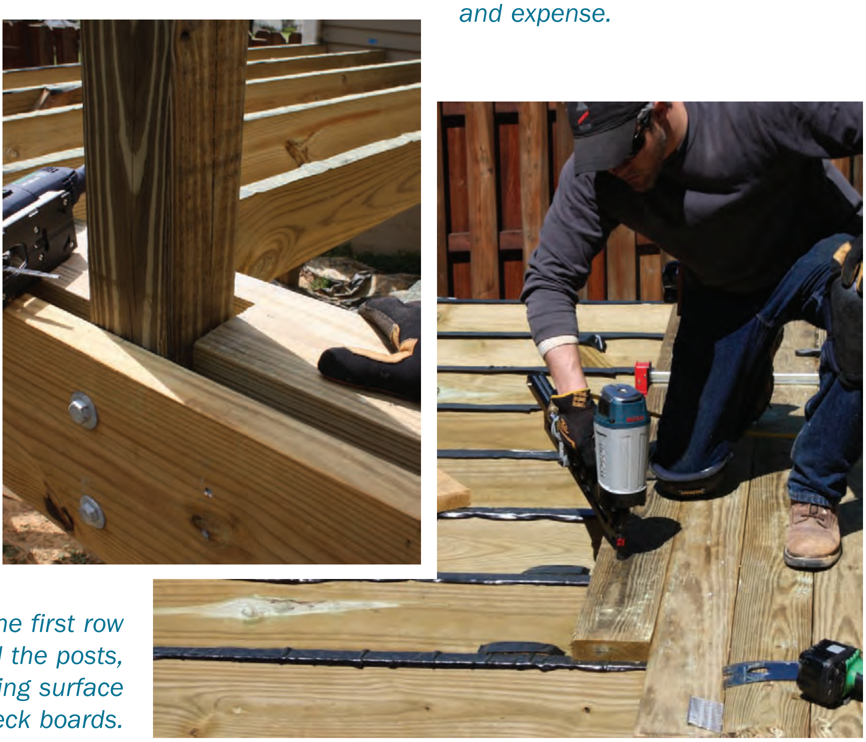
When installing the rim board, use several fasteners per joist to prevent the board from cupping or warping.



Code requires a minimum of two 1/2" galvanized through-bolts driven through the full thickness of a 4x4 handrail post (no notching of the posts allowed).



For a rock-solid handrail system I included Simpson's Post-to-Deck Framing Bracket. This may require installation of extra blocking, but the added safety is worth the effort and expense.



I used a jigsaw to notch the first row of decking to fit around the posts, then completed the walking surface using treated 2x6's as deck boards.

Quick Tips for Wall-to-Wall Carpet

By Matt Weber

As I sat down to type this article on DIY carpet installation tips, I heard a radio advertisement for Lowe's offering professional carpet installation of an entire house for only $97. That price covers installation of both carpet and pad (purchased from Lowe's), but you'll have to remove and dispose of the old carpet yourself and pay extra for any customization, including installation on steps. Still, assuming you like one of Lowe's selections of carpets, that's a pretty attractive offer, because installing carpet often requires specialized tools that most DIY'ers don't have laying around the house.

Carpet tools are available for rent and purchase, but if you don't do much carpeting, the cost of the tools probably won't justify a purchase. And, although you'll save money by renting, by the time you rent all the required tools you may very well have surpassed $97. Do-it-yourself carpet installation is most appropriate for small rooms that don't require the use of a carpet stretcher, and if no seams are required—that's good, too. The small-room scenario eliminates some of the pricier rental items, and according to some of my contractor friends, a small room can sometimes be carpeted with little more than a knee-kicker, a carpet knife and carpet tucker (broad knife).

In light of that caveat, the following are a few guidelines to consider for typical carpet installation.

Recruit Help. A roll of carpet isn't something you're going to be able to haul on your shoulder. Its considerable weight and bulk means you'll need a helper (or two) just to get the carpet into the room to be installed—and to do so without scratching up the house walls or trim with the abrasive underside of the carpet as you weave the roll through the house.

Prep Steps. Rough-cut the carpet to a workable size before hauling it into the room, so you're not lifting more than necessary and you won't have a lot of excess material obstructing the work area.

Rough-cut the carpet to size.

Recruit help to lift the roll of carpet into the room.

Home Turf Advantage

Sharp solutions that will make your neighbors green with envy.

Grass catcher sold separately.

Lee Valley Traditional 18″ Reel Mower
This 18″ mower is a great all-purpose mower. The five-blade reel is height adjustable from 1/2″ to 2 1/4″. Weighing 24 lb, it has 10″ dia. wheels. Minor assembly required. Made in USA.
PA810 $139.00 *Shipping surcharges apply.*

Grass Catcher
Constructed of fabric with a plastic base, this grass catcher weighs only 3 lb and holds a full bushel of clippings.
PA803 $30.00

Hand Mower Sharpening Kit
The hand mower sharpening kit is suitable for use on our traditional mowers and most other American-made reel mowers. Includes lapping compound, application brush, crank handle, and instructions.
PA807 $22.50

Clever Add-Ons

for Rotary or Riding Mowers

**Mower Grassbuster™
AG726 $10.95**

**Universal Hitch Plate
AG719 $22.50**

**Quick-Connect Hitch Pin
AG714 $12.95**

**Rotary Mower Sharpener
AG702 $15.50**

**Riding Mower Steering Knob
AG715 $16.50**

Handle Grip AG717 $6.20

Hitch pin and hitch plate sold separately.

For more detailed information on our lawnmower accessories, see our website at www.leevalley.com.

Browse our garden tools catalog online

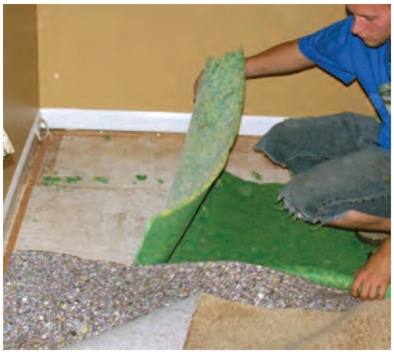
Shopping our catalogs just became easier, and the choice is yours at www.leevalley.com.

Lee Valley & veritas®

To order these products, call or visit us online.

**1-800-683-8170
www.leevalley.com**

Tack Strips. Cut the tack strips, which anchor the carpet, to fit around the perimeter of the room and hammer in place. Leave room between the tack strip and the wall equal to the thickness of the carpet. Nail the strips to the floor.



Tack strips and carpet padding are the first items to install.

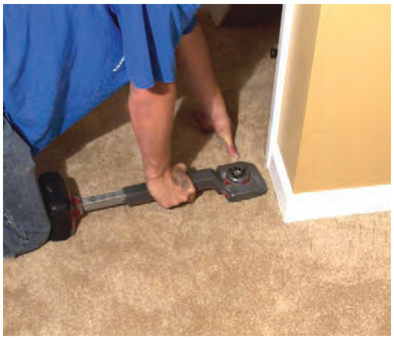
Padding. Lay the carpet padding over the entire floor, butting the seams and taping them together. Staple the pad every 12 inches, working toward the tack strips, securing the pad against the edge of the strips.

Measure and Cut. Use a carpet knife and a straight edge to cut the carpet roughly 6 inches longer and wider than the area of the room. If the room is too large for a single piece of carpet, you'll need to join the seams with carpet seam tape, a carpet heat-bond iron and a carpet seam roller.

Place the Carpet. Center the rug in the room, with the excess lapping up the walls. Make any necessary relief cuts at wall corners so the carpet lays flat.

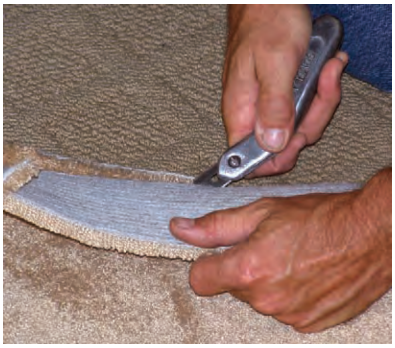
Knee-kicker Installation. Even for small DIY jobs, a knee-kicker is the one specialized tool necessary for carpet installation, and you can find one of these on sale for as little as $20 (at Harbor Freight Tools, www.harborfreight.com). Place the toothed end of the knee kicker on the carpet about 3 inches from the wall, starting in a corner and facing the long wall of the room. "Kick" the padded end of the tool with your knee, pushing the carpet over the tack strip to hook it in place. Use the carpet tucker to push the carpet firmly onto the tacks. Work about 3 feet down the wall, then repeat the same procedure along the adjacent short wall. Trim the carpet as you go, cutting away the excess along the wall with a carpet knife and tucking the edge into the space you left between the wall and the tack strip.

Center the carpet in the room.

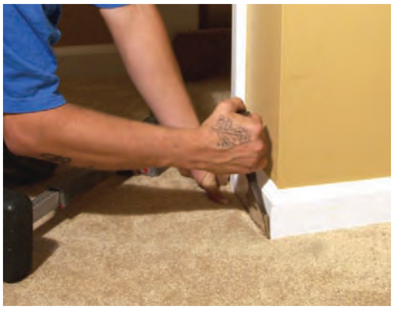


Use a knee-kicker to push the carpet over the tack strips.

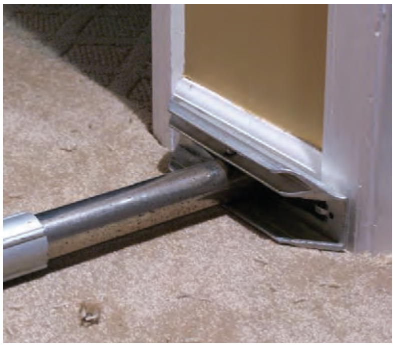
Installation Sequence. With the first corner anchored, go to the adjacent corner along the long wall and anchor both sides of that corner just like you did the first corner. For a large room, you may need a carpet stretcher to pull the carpet tightly from one end of the room to the other corner. Once the second corner is anchored, proceed down the wall between the two installed corners, knee-kicking the carpet in place and trimming as you go. Follow this procedure to anchor the short wall. Next, install the second long wall and finish with the final short wall.



Trim away any excess with a carpet knife



Tuck the carpet between the wall and the tack strip.



Position the foot of a carpet stretcher against solid wall framing.

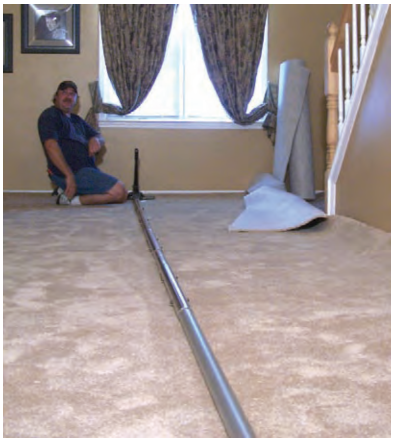
JOBY®
gorillatorch
FLARE™

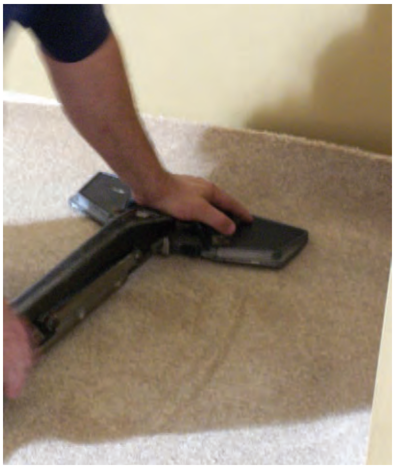
Ready for your
boldest projects…
and potentially
hazardous situations.

- Hands-free flashlight: flexible, wrappable legs and magnetic feet
- 100 lumens of attention-grabbing light plus three red LEDs
- Perfect for emergency situations and roadside assistance

JOBY®
www.joby.com

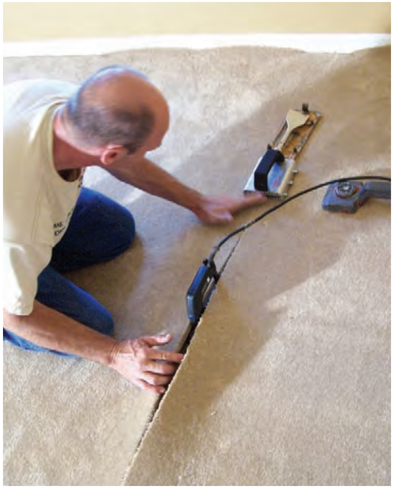
Carpet Stretcher. If using a carpet stretcher, start with the foot of the stretcher placed against the short wall of the starting corner. Make sure the carpet stretcher is placed against solid wall framing so you don't inadvertently "stretch" the tool right through the wallboard of the house—a horror story relayed to me by seasoned carpet installers. Angle the stretcher about 15 degrees toward the opposite corner. A carpet stretcher is a modular device in which the installer adds lengths of tubes between the head and foot of the tool to traverse the distance across the room. Set the toothed head of the stretcher about 6 inches from the wall and push down on the handle to stretch the carpet. Once stretched, used the knee-kicker to anchor it in place.

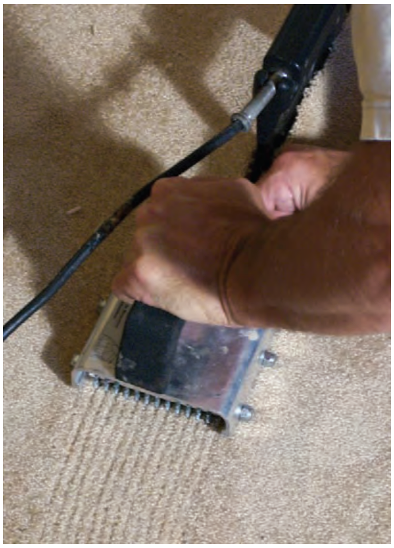

Extend the stretcher to the far end of the room


Push down on the handle to stretch the carpet.

Proceed down the wall between the installed corners, anchoring the carpet and trimming the excess.

Seaming Sections. If it's necessary to seam the carpet, plan the layout so the seams fall in low-traffic areas of the room. Butt together two straight seams and make sure the carpet is laying flat and in line. Position a strip of hot-glue seaming tape centered beneath the edges. Slowly move the heated bonding iron under the carpet and over the tape to melt the adhesive. As you move the iron down the seam, the flaps of carpet will fall back down onto the active adhesive. Use weights or a carpet seam roller to firmly attach the carpet to the tape.


To join a seam, use a heat-bond iron and hot-glue seaming tape.


Press the carpet firmly into the seaming tape with a carpet seam roller.

Terminating the Carpet. Where the carpet meets the perimeter walls, the edges can be concealed by base molding and/or quarter-round. Where carpet meets another flooring material, a transition molding such as a threshold, carpet bar or Z-bar binding strip may be installed for a finished look. For low-pile carpets, some installers simply fold the carpet under and staple it flatly. Other options include wooden thresholds, or hot-seaming two carpet floors together if it meets another carpet of equal thickness. **EHT**

OFF ROAD
KUBOTA
MOTOR
HARLEY-DAVIDSON
CYCLES

TRUCK BED LININGS
SCORPION

Al's
LINER

Two Options, One Solution

The choice is easy.

Looking to do it yourself? Check out www.alsliner.com for DIY Bed Liner Kits, Additives and Accessories.

Prefer to have your bed liner professionally installed? Check out www.scorpioncoatings.com to find an applicator near you.

Looking to expand or create new business opportunities? Call your Al's Liner or Scorpion Representative for details.

800.483.9087
WWW.SCORPIONCOATINGS.COM

800.999.6841
WWW.ALSLINER.COM

HOT PRODUCTS

BOSCH AIRHAMMER FULL-HEAD FRAMING NAILER

Last year, Bosch Power Tools threw its hat in the ring of pneumatic tools by introducing a full line of compressors and fastening tools. Over the past few months the *EHT* staff has put the company's new full-head framing nailer through the ringer on a large deck-building project. We're happy to report that our first experience with Bosch pneumatics was a positive one with the Model SN350-20F Airhammer. This powerful nailer has plenty of muscle to drive 2- to 3-1/2-inch ring- and screw-shank framing nails in treated lumber, day in and day out. Bosch has engineered its line of nailers with its innovative Full Force Technology, which eliminates the return air chambers that other nail guns use to reset the piston. The problem with return air chambers is they create resistance within the gun that detracts from the full potential force of its driving power. By eliminating the return air chambers, Bosch not only maximizes driving power but can construct a gun that is 20-percent smaller than competitor models, making it easier to maneuver and with a better line of sight to the nail location. Features of the nailer include a tool-free adjustable depth-of-drive device, a toothed contact element to grip the wood when nailing, a quick-release magazine and an in-line self-cleaning air filter. Another unique aspect is the strike plate located at the rear of the gun, which can be used as a hammer to knock lumber in position without damaging the tool. Visit www.boschtools.com.

BOSCH
Airhammer
BOSCH

STRONG SUIT WORK GLOVES

Strong Suit work gloves are form-fitted with pre-curved fingers for a slimmer fit and a more dexterous touch. Several styles are available, including the Brawny, the Grasper and the Rancher Plus, each available in sizes S-XXL. For use in heavy construction or equipment work, the Brawny keeps your hands protected with a padded palm to absorb vibrations, silicone printing for an extra tacky grip, as well as knuckle protection and a terry cloth sweat wipe. The Grasper is built for ultimate traction and superior fit, whether handling packages, working in the yard or moving. It features slip-on styling, and a super-sticky silicone infused palm. The Rancher Plus delivers maximum comfort and excellent performance for electricians, equipment operators, construction or landscaping. The Rancher features 100-percent drum-dyed cowhide leather that resists cracking or shrinking, foam pads for extra protection, slip-on styling and a terry cloth wipe. Visit www.strongsuitbrands.com.

STRONGSUIT™
STRENGTH AT HAND

Viance

The Best Decks Cost Less

Superior Weatherability at a Fraction of the Cost

ecolife™
Stabilized Weather-Resistant Wood

What can you say to customers who want a better decking product, with the look and feel of real wood, with lower maintenance? Say, Ecolife™ Stabilized Weather-Resistant Wood, the pressure treated lumber that saves you and your customers money, and delivers the performance benefits you and your customers want:

- **Assurance – AWPA standardized**
  Sell with confidence knowing Ecolife is "Standardized" by the American Wood Protection Association and preservative treatments are inspected by ALSC accredited agencies.
- **"Yarding" and Jobsite Performance**
  Less waste and fewer culls. Ecolife reduces cracking, splitting, and warping and saves inventory downfall, improving profits and margins.
- **Green Building Product**
  Ecolife is a Green Approved Product by the NAHB Research Center and is eligible to earn points towards Green Certification under the National Green Building standard.
- **Fastener Performance**
  Ecolife is no more corrosive to fasteners than untreated wood, and is approved for direct contact with aluminum, even in wet applications.
- **Lifetime Appearance and Warranty**
  Ecolife's light color makes it easier to paint and stain. Lifetime Limited Warranty against decay and termites.

AWPA PROTECTING WOOD SINCE 1904
Proud Sponsor

CERTIFIED GREEN DEALER
GOLD SPONSOR

NAHB RESEARCH CENTER
GREEN APPROVED

"Ecolife stability means fewer service calls."

"And because it repels moisture so effectively, it doesn't crack and warp in wet environments like other types of treated lumber. We highly recommend it for framing, substructures, and decks. Ecolife is our first choice."

Bob Heidenreich,
Owner, The Deck Store

For more information on the full line of Viance treated wood products, call 800-421-8661 or visit treatedwood.com

HOT PRODUCTS

BARBARA'S WAY GLOVES FOR FEMALE DIY'ERS

The Gripper Glove and Trigger Finger Glove are two products designed specifically for women interested in simplified home-improvement solutions. These ergonomic cleaning and gardening gloves from Barbara's Way and Isotoner are constructed of Isotoner's signature Stretch materials that provide added flexibility, comfort and dexterity. The Gripper Glove has a non-slip polyurethane palm for better gripping of tools and materials, and includes a convenient pocket with a Velcro closure as well as a fun ring accent. The Trigger Finger Glove has extra padding on the palm for shock absorbency, and the index finger and thumb are left uncovered for handling small tools easily. A terry brow wipe is built into the thumb of each design, and I found that the lightweight materials kept my hands cool. These one-size-fits-all gloves are machine-washable, water repellent and available in a variety of fashionable colors. Learn more at www.barbarasway.com. (reviewed by Tanya Thompson, *EHT* editorial staff).

G-FLOOR RACEDAY PEEL-AND-STICK TILES

G-Floor RaceDay Peel-and-Stick Floor Tiles from Better Life Technology, LLC, provide an easy-to-install, "peel and stick" flooring solution that looks great and handles the harsh environments of today's garages, including water, salt, oil, gas and gravel. Unlike other laminated vinyl tiles that can include paper or other substandard fillers to reduce costs, RaceDay Tiles are made from 100-percent solid virgin vinyl to create an extremely tough gloss finish surface that will handle the most demanding environments found in garages and shops where tires, heavy jacks and rollers are constantly being rolled across the flooring. The result is a floor that not only looks great but is tough enough to be backed by a five-year warranty. RaceDay Floor Tiles utilize a special adhesive that is as tough as the tiles it binds. This adhesive does not harden or become brittle over time, allowing it to stay tacky and handle the weight of an auto passing over it repeatedly. Visit www.bltllc.com.

Could This be the Best Caulk Ever Made? We think so.

Introducing Hybrifix Super 7

Unique European Hybrid Formula with Low VOCs, No Odor, Paintable with Extreme Flexibility that's Guaranteed to Never Shrink or Crack.

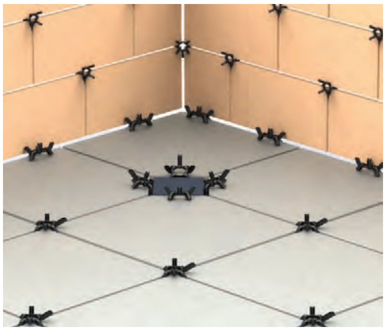
Try it today and visit www.sealantsdirect.com or call 1.866.280.1724.

SealantsDirect

Den Braven
HYBRIFIX SUPER 7

TILEJAX

TileJax is a versatile and reusable tile spacer that simplifies any tile installation. Only one spacer per tile is required, and spacers are available in a range of sizes from 1/8, 3/16 and 1/4 inch. TileJax is designed to work with X, T and Y tile patterns, and offers unprecedented control in corners and other challenging areas. Unlike circular spacers, they can be positioned at angles that will space tiles installed in adjacent planes, such as spacing a grout joint between a countertop and the first row of backsplash tiles. This innovative and patented tile spacer is made from 100-percent recycled materials and sets quarry tiles, split slate, terracotta, porcelain and all types of ceramics. Learn more at www.tilejax.com.



Find a
Local Decorative
Concrete Contractor

ConcreteNetwork.com

The largest free directory of
decorative concrete contractors
throughout the US & Canada

www.ConcreteNetwork.com

Advertisers

AGS Stainless	23
AltE U.	22
Al’s Liner	91
Ameritech	29
Arke	51
Armstrong Clark	15
Backyard Inventors	17
Better Life Technology	BC
Bigfoot Systems	79
Black Jack	45
Bondera	13
Bristol Valley Hardwoods	36
Brushweatherseal.com	26
Can Gun 1	42
Cepco	75
Classy Corners	40
CreteSheet	82
Dix Systems	28
Drill Doctor	16
Energy Saving Products	37
EZ A Peel	33
Fasco America	18
FauxRockMolds.com	81
Final Cut	48
Flow Wall Systems	58
FrogTape	63
Fypon	69
Gardner Leak Stopper	52
Gazebo Creations	79
General Tools	IFC, 1
Genova	7
Gladiator GarageWorks	47
Grabit Pro	78
GRK Fasteners	72
Grout Shields	36
Harbor Freight	59
Hyde Tools	6
IceBlox Inc.	65
Ingrams	31
Joby	89
Ladder Levelers	20
Lafarge	4
Lam-Hammer	32
Lee Valley	87
Lumber Liquidators	9
Maasdam	35
Maze Nails	77
Metal Roofing Wholesalers	54
Metro Roof Products	67
Milescraft	74
Mock Marine	96
Moduline	42
MP Global	11
Oneida Air Systems	57
Ovrx	55
Patollie	64
PexSupply.com	12
Pro-Fit Mouldings	41
Rainhandler	63
RapidFix	20
Red Hill Corp.	28
Rheem	5
Sashco	83
Screw Products	76
Sealants Direct	94
Shade Sails	44
ShopBot	49
Sidearm	44
Stair Simple	53
Stokes Ladders	46
Strongsuit	22
Subaru	19
Swylite	30
TG Tools	2, 3
The Iron Shop	25
The Spoutoff	10
The Tapco Group	21
Touch 'n Foam	27
Ty-Lan Enterprises	80
Viance	93
WaterKing USA	44
Wessell Industries	43
Western Red Cedar	73
Wolmanized Wood	IBC

Looking for a part time offer where you can earn extra income at your own flexible schedule plus benefits that takes only little of your time.

If your answer is yes and need more information contact us with your resume for more details @ phmockmarineinc@gmx.com

Requirements -

* Should be computer literate.

* 1-2 hours access to the internet weekly.

* Must be 24 yrs and above of age

* Must be Efficient and Dedicated

Hurry..don't wait! This great opportunity is limited so contact Mock Marine Inc. today!

Get the wood that Dean Johnson uses: Wolmanized® wood

"Wolmanized® wood has long been a respected brand – I've used it on my TV show for 20 years – and it has earned its good reputation."

For decks, fences, landscaping, and other backyard projects, one brand has stood out for decades. Today's Wolmanized® Residential Outdoor® wood offers you long-lasting lumber that is backed by a lifetime limited warranty* warranty and the consumer promise of the Good Housekeeping Seal. It's real wood, with all of the beauty, construction features, and environmental advantages of real wood.

When choosing treated wood for your project, choose the grade of lumber that best suits your needs and look for wood treated for your intended use – ground contact or above ground. Most of all, choose the brand that you and Dean Johnson can trust: Wolmanized® Residential Outdoor® wood. Ask your dealer for Wolmanized® wood.

NAHB RESEARCH CENTER™
GREEN APPROVED

LIMITED WARRANTY to CONSUMERS
· GOOD ·
HOUSEKEEPING
Since ★ 1909
REPLACEMENT or REFUND if DEFECTIVE

Dean Johnson, host of TV's long-running home improvement show, *Hometime*

WOLMANIZED®
PRESSURE-TREATED WOOD

Wood Treated Right™

**See complete warranty details on the website. You'll also find useful construction tips, building plans, and help in locating a nearby dealer. For details on the consumer promise, see GoodHousekeepingSeal.com.*
Wolmanized and *Outdoor* are registered trademarks of Arch Wood Protection, Inc.

www.wolmanizedwood.com

PORSCHE
G-FLOOR

G-FLOOR®
RaceDay Peel & Stick Floor Tile®

- Beautifies garages, shops, & work areas
- Easy to install & custom fit
- Hides cracks and stains
- Helps prevent concrete damage
- Reduced noise
- Insulates
- Cushions floor
- Reduces amount of dirt tracked into home
- Durable—5-year warranty
- Virtually seals floor
- Non-porus surface

Easy
Peel & Stick
Application

BLT
Better Life Technology LLC

Contact BLT for purchase locations
customerservice@bltllc.com
www.jumbo-floor-tile.com
Qualified distributors—please apply

MADE IN
USA
Patents Pending